

CD RECEIVER

# KDC-PS9060R/ 9010

## SERVICE MANUAL

# KENWOOD

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B51-7266-00 (N) 2067

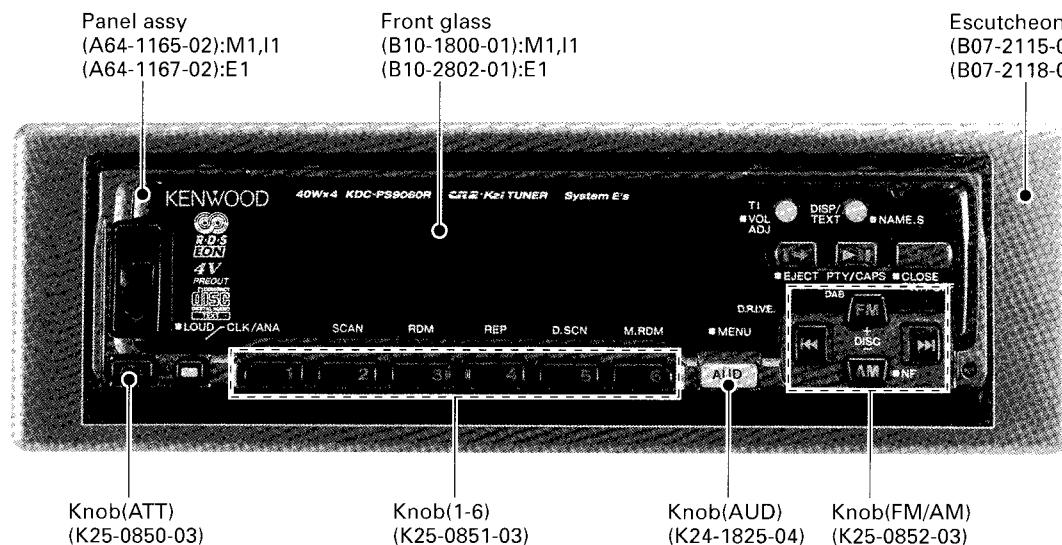
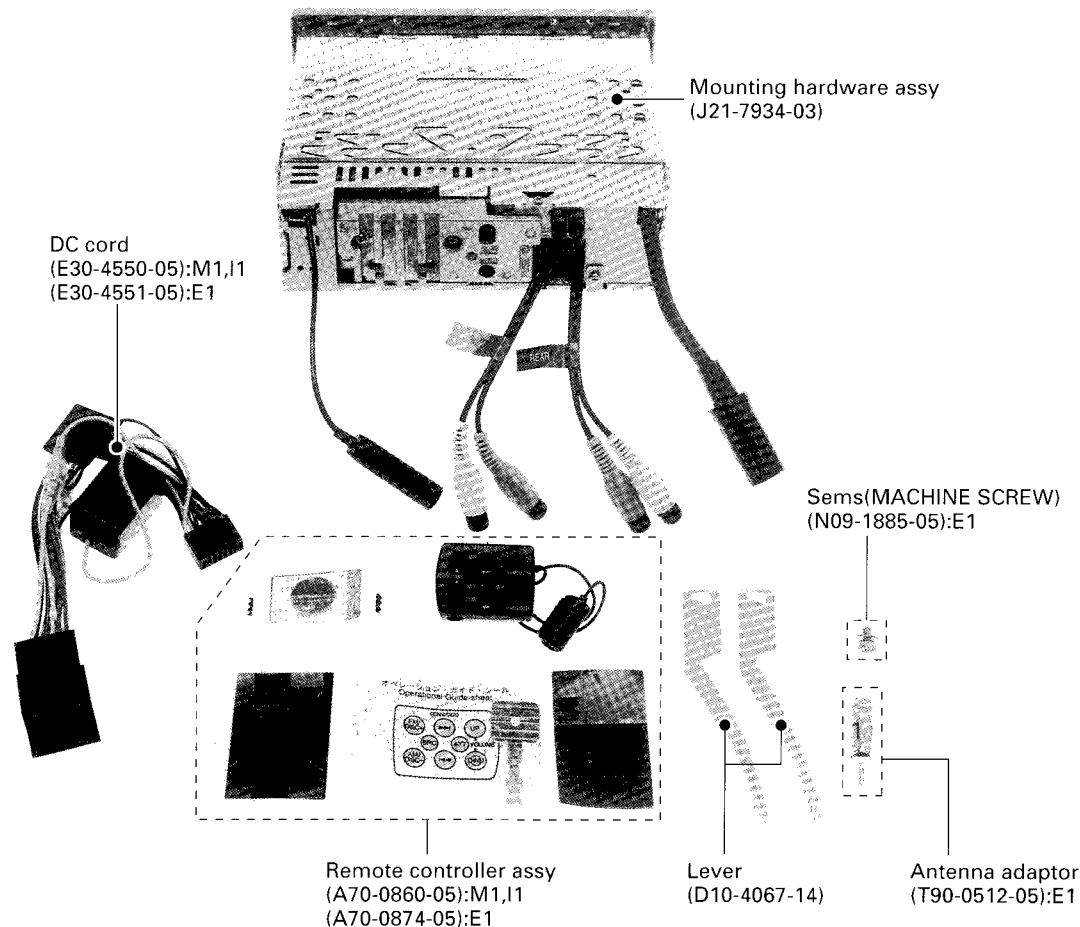


Photo is KDC-PS9060R

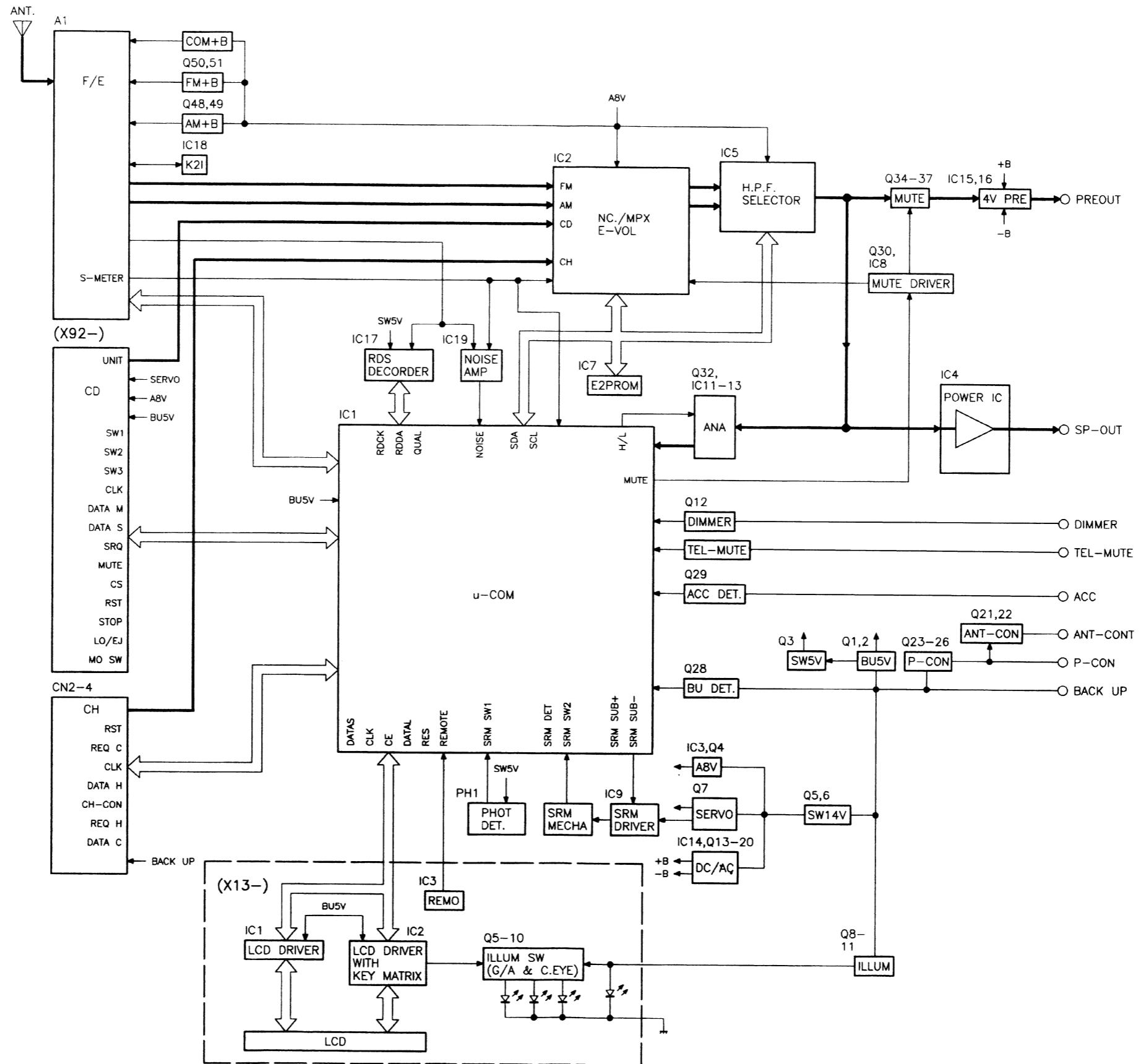


# KDC-PS9060R/9010

## CONTENTS

<b>BLOCK DIAGRAM</b> .....	<b>3</b>
<b>CIRCUIT DESCRIPTION</b> .....	<b>5</b>
<b>ADJUSTMENT</b> .....	<b>8</b>
<b>PC BOARD</b> .....	<b>9</b>
<b>SCHEMATIC DIAGRAM</b> .....	<b>15</b>
<b>EXPLODED VIEW</b>	
<b>MECHANISM</b> .....	<b>25</b>
<b>UNIT</b> .....	<b>26</b>
<b>PARTS LIST</b> .....	<b>27</b>
<b>SPECIFICATIONS</b> .....	<b>BACK COVER</b>

# KDC-PS9060R/9010 KDC-PS9060R/9010 BLOCK DIAGRAM



# KDC-PS9060R/9010

## CIRCUIT DESCRIPTION

Microprocessor : μPD784215GF513 (IC1, X25-)

### Terminal description

No.	Pin name	Port name	I/O	Function	Active
1	P60/A16	TYPE0	I	Destination pin 0	
2	P61/A17	TYPE1	I	Destination pin 1	
3	P62/A18	TYPE2	I	Destination pin 2	
4	P63/A19	ST_TYPE0	I	IC2 Ver. 2 Destination pin 0	Default : Lo
5	P64/RD	ST_TYPE1	I	IC2 Ver. 2 Destination pin 1	Default : Lo
6	P65/WR	NC	O	Output open	
7	P66/WAIT	ANA_B	O	Spectrum analyzer frequency selection pin	
8	P67/ASTB	ANA_A	O	Spectrum analyzer frequency selection pin	
9	Vdd		-	Positive power supply pin	
10	P100/T15/T05	NC	O	Output open	
11	P101/T16/T06	SVR	O	Power IC reset pin	Power ON : Lo
12	P102/T17/T07	NC	O	Output open	
13	P103/T18/T08	P_MUTE	O	Power IC mute pin	Active : Hi
14	P30/T00	ANT_CON	O	Antenna control pin	Active : Hi
15	P31/T01	NC	O	Output open	
16	P32/T02	DIMMER	I	Dimmer detection	Active : Lo
17	P33/T11	P_CON	O	Power control pin	Active : Hi
18	P34/T12	ACC_DED	I	ACC detection pin	ACC off : Hi
19	P35/T100	REMO	I	Remote control input pin	
20	P36/T101	P_ON	O	Microprocessor peripheral power supply pin	Active : Hi
21	P37/	BU_DED	I	Mute detection pin	Mute : Hi
22	TEST		-	Test pin	
23	P90	IC2_SDA	I/O	IC2, IC5, EEPROM data line	
24	P91	IC2_SCK	O	IC2, IC5, EEPROM clock line	
25	P92	MUTE	O	Mute pin	Active : Hi
26	P93	SW5	O	5V power supply pin	Active : Lo
27	P94	NC	O	Output open	
28	P95	CHCON2	O	Changer 2 control pin	Active : Lo
29	P120/RTP0	CHCON1	O	Changer 1 control pin	Active : Hi
30	P121/RTP1	CH_MUTE	I	Changer mute input pin	Mute request : Hi
31	P122/RTP2	REQH	O	Changer handshake request pin	Active : Lo
32	P123/RTP3	ILL_ON	O	Illumination output	Active : Hi
33	P124/RTP4	NC	O	Output open	
34	P125/RTP5	CD_SW2	I	12cm CD detect	ON : Lo
35	P126/RTP6	CD_SW1	I	Loading SW detection	ON : Lo
36	P127/RTP7	M_DATAM	I	Data line from CD mechanism	
37	Vdd		-	Positive power supply pin	
38	X2		-	Main clock connection	
39	X1		-	Main clock connection	
40	Vss		-	GND pin	
41	XT2		-	Sub clock connection pin	
42	XT1		-	Sub clock connection pin	
43	RESET		I	Reset input pin	Active : Lo
44	P00/INTP0	CH_RST	O	Changer reset output pin	Active : Hi
45	P01/INTP1	R_CLK	I	RDS clock input pin	
46	P02/INTP2/NMI	REQC	I	Changer handshake request pin	Active : Lo
47	P03/INTP3	NC	O	Output open	
48	P04/INTP4	M_CLK	O	Clock line to CD mechanism	
49	P05/INTP5	M_DATAS	O	Data line to CD mechanism	

# KDC-PS9060R/9010

## CIRCUIT DESCRIPTION

No.	Pin name	Port name	I/O	Function	Active
50	P06/INTP6	M_SRQ	I	Handshake request from CD mechanism	
51	AVdd		-	A/D analog power supply pin	
52	AVref0		-	A/D reference voltage input pin	
53	P10/AN10	PHONE	I	PHONE detection pin	1V or less : PHONE, 2.5V or greater : NAVI MUTE
54	P11/AN11	SRM_SW1	I	SRM position detection pin	Open : Hi
55	P12/AN12	NOISE	I	FM noise detection pin	
56	P13/AN13	AMETER	I	FM S meter detection pin	
57	P14/AN14	ANA_X	I	Spectrum analyzer input pin	
58	P15/AN15	ANA_Y	I	Spectrum analyzer input pin	
59	P16/AN16	IF_MODE	I	K2I IF mode detection pin	Wide : Hi, Narrow : Lo
60	P17/AN17	M_MUTE	I	Mute request from CD mechanism	MUTE : Lo
61	AVss		-	A/D GND pin	
62	P130/ANO0	M_CS	O	Handshake request to CD mechanism	Handshake : Lo
63	P131/ANO1	M_RST	O	Reset to CD mechanism	RESET : Lo
64	AVref1		-	D/A reference voltage input pin	
65	P70/RxD2/SI2	DATA_C	I	Data line from changer	
66	P71/TxD2/SO2	DATA_H	O	Data line to changer	
67	P72/ASCK2/SCK2	CH_CLK	I/O	Changer clock line	
68	P20/RxD1/SI1	L_DATA_L	I	Data line to LCD driver	
69	P21/TxD1/SO1	L_DATA_H	O	Data line from LCD driver	
70	P22/ASCK1/SCK1	L_CLK	O	LCD driver clock pin	
71	P23/PCL	M_STOP	O	Stop request to CD mechanism	STOP : Lo
72	P24/BUZ	BEEP	O	Beep detection pin	Active : Hi
73	P25/SI0	PLL_CE	O	PLL CE pin	
74	P26/SO0	PLL_DATA	O	PLL data input/output pin	
75	P27/SCK1	PLL_CLK	O	PLL clock pin	
76	P80/A0	CD_SW3	I	Down SW detection	ON : Hi
77	P81/A1	LO/EJ	I/O	Load/eject select	Load : L / EJ : Hi
78	P82/A2	MOSW	O	Sub motor control	Load : Hi / EJ : Lo
79	P83/A3	NC	O	Output open	
80	P84/A4	KEY_REQ	I	Key input request from LCD driver	Key : Hi
81	P85/A5	L_CE1	O	LCD driver CE pin	
82	P86/A6	L_INH	O	LCD driver reset pin	Reset : Lo
83	P87/A7	L_CE2	O	LCD driver CE pin	
84	P40/AD0	QUAL	I	RDS reception mode	
85	P41/AD1	R_DATA	I	RDS data input pin	
86	P42/AD2	SRM_SUB-	O	Panel motor control (SRM)	
87	P43/AD3	SRM_SUB+	O	Panel motor control (SRM)	
88	P44/AD4	SRM_DET	I	SRM mechanism detection pin	Mechanism : Lo, No mechanism : Hi
89	P45/AD5	SRM_SW2	I	SRM eject position detection pin	Startup : Eject position
90	P46/AD6	FM_SD	I	FM SD input pin	Station : Hi, No station : Lo
91	P47/AD7	NC	O	Output open	
92	P50/A8	AFC	O	Noise detection constant selection pin	Reception : Hi, Search : Lo
93	P51/A9	LO/DX	O	Local output pin	Local : Hi, Normal : Lo
94	P52/A10	WIDE	O	K2I forced wide output pin	Active : Hi
95	P53/A11	NQRROW	O	K2I forced narrow output pin	Active : Hi
96	P54/A12	AM+B	O	AM power supply pin	Active : Hi
97	P55/A13	FM+B	O	FM power supply pin	Active : Hi
98	P56/A14	NC	O	Output open	
99	P57/A15	NC	O	Output open	
100	Vss		-	GND pin	

# KDC-PS9060R/9010

## CIRCUIT DESCRIPTION

Mechanism control  $\mu$ -com : M38027M8D196FP(X32- : IC3 )

### ● Terminal description

Pin No.	Pin Name	I/O	Function	Pin type	Description	Logic
1	P62/AN2	I	SW3	Normal input	Thread detection terminal	L:Innermost Circumference
2	P61/AN1	I	FLOCK	Normal input	Focus servo lead-in signal of servo IC	L:Lead-in OK
3	P60/AN0	I	SENSE	Normal input	Servo IC's sensing signal of servo IC	
4	P57/INT3	I	CS	Schmidt input	Terminal for communication request from system $\mu$ -com	
5	P56/PWM	O	MLD	Push-pull	Servo IC's $\mu$ -com command load signal	
6	P55/CNTR1	O	MDATA	Push-pull	Servo IC's $\mu$ -com command data signal	
7	P54/CNTR0	O	MCLK	Push-pull	Servo IC's $\mu$ -com command clock signal	
8	P53/SRDY2	O	PON	Push-pull	Servo system IC's audio power (8V) and digital power(5V) control terminal. Oscillation control terminal of clock (16.93MHz) for servo IC	L:Power OFF (Oscillation stop) H:Power ON
9	P52/SCLK2	O	SCLK	Push-pull	CD-TEXT data read out shift clock signal	
10	P51/SOUT2	O	NC	Push-pull	Not used	
11	P50/SIN2	I	SRDT	Schmidt input	CD-TEXT read out data signal	
12	P47/SRDY1	O	SRQ	Push-pull	Terminal for communication request to mechanism $\mu$ -com	
13	P46/SCLK1	I	CLK	Schmidt input	Terminal for clock from system $\mu$ -com	
14	P45/TxD	O	DATAM	Push-pull	Mechanism $\mu$ -com data terminal	
15	P44/RxD	I	DATAS	Schmidt input	Terminal for data from system $\mu$ -com	
16	P43/INT2	I	BLKCK	Schmidt input	Servo IC's sub code block clock signal	
17	P42/INT1	I	MSTOP	Schmidt input	Standby control terminal for mechanism $\mu$ -com	L:Standby(Stop)
18	CNVss	-	CNVss	-	$\mu$ -com operating mode control	L:Internal ROM H:External ROM
19	RESET	I	MRST	-	Mechanism $\mu$ -com reset terminal	L:Reset
20	P41/INT0	O	AMUTE	Push-pull	Analog mute terminal for connection to system $\mu$ -com	L:ON , H:OFF
21	P40/INT4	I	DQSY	Schmidt input	CD-TEXT read out approved output terminal	
22	Xin	I	Xin	-	$\mu$ -com's main clock (8.38MHz)	
23	Xout	O	Xout	-	$\mu$ -com's main clock (8.38MHz)	
24	Vss	-	Vss	-	Power supply terminal (GND)	
25 - 32	P27 - 20/ DB7 - 0	I/O	DB7 - 0	Push-pull Normal input	External memory data bus (bit7 - 0)	
33 - 40	P17 - 10/ AD15 - 8	O	AD15 - 8	Push-pull	External memory address bus (bit15 - 8)	
41 - 48	P07 - 00/ AD7 - 0	O	AD7 - 0	Push-pull	External memory address bus (bit7 - 0)	
49	P37/RD	O	RD	Push-pull	External memory control bus	
50	P36/WR	O	WR	Push-pull	External memory control bus	
51	P35/SYNC	I/O	-	Push-pull Normal input	Not used	
52	P34/Φ	I/O	ASEL	Push-pull Normal input	Servo IC DAC output polarity switching	
53	P33 /RESETOUT	I	TESTIN	Normal input	SRAM check test mode ON/OFF switching terminal	L:ON , H:OFF
54	P32/ONW	I	ONW	Normal input	External memory access time selection terminal	L:One weight H:Unused
55	P31/DA2	O	TESTOUT	Push-pull	SRAM check result output terminal	
56	P30/DA1	O	SEARCH	Push-pull	Servo IC's gain switching control terminal	
57	Vcc	-	Vcc	-	Power supply terminal (+5V)	
58	Vref	-	Vref	-	Not used	
59	AVss	-	AVss	-	GND	
60	P67/AN7	O	RST	Push-pull	Servo system's reset terminal, also used at time of power rise	L:Reset
61	P66/AN6	I	STAT	Normal input	Servo IC's status signal, and also for monitor during control	
62	P65/AN5	O	DMUTE	Push-pull	Servo IC's digital mute terminal	H:ON
63	P64/AN4	I	SUBQ	Normal input	Servo IC's sub code Q code input	
64	P63/AN3	O	SQCK	Push-pull	External clock output for servo IC's sub code Q register	

# KDC-PS9060R/9010

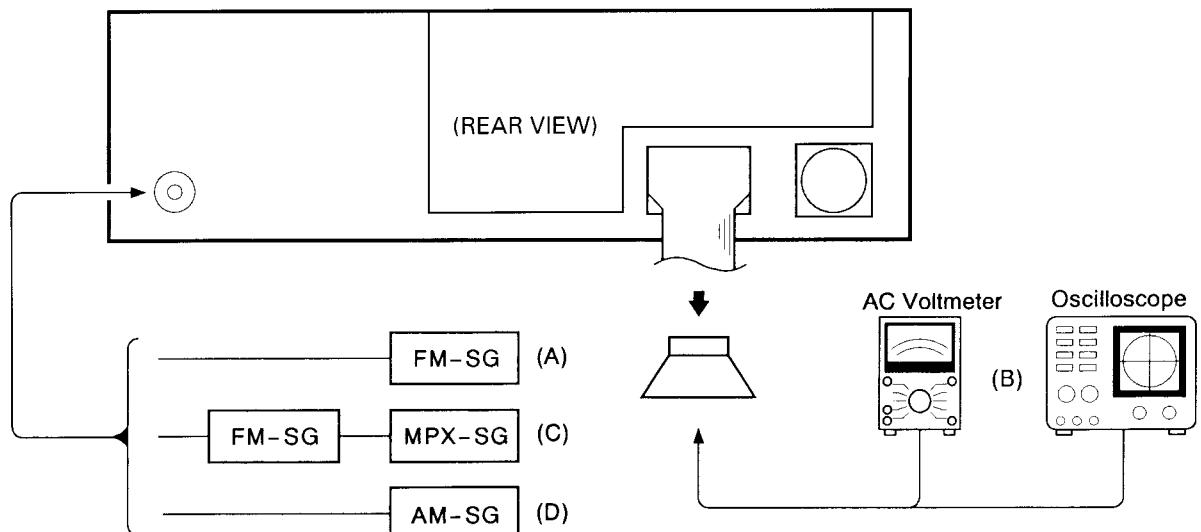
## ADJUSTMENT

### M type

No	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER (RECEIVER)	ALIGNMENT POINTS	ALIGN FOR	FIG.
<b>FM SECTION</b>							
1.	SEPARATION	(C) 98.1MHz 1kHz, $\pm 67$ kHz dev Pilot : $\pm 7.5$ kHz dev Selector : L or R 60dB $\mu$ (ANT input)	(B)	FM 98.1MHz	VR1	Separation : MAX	

### E type

No	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER (RECEIVER)	ALIGNMENT POINTS	ALIGN FOR	FIG.
<b>FM SECTION</b>							
1.	SEPARATION	(C) 98.1MHz 1kHz, $\pm 40$ kHz dev Pilot : $\pm 6.0$ kHz dev Selector : L or R 60dB $\mu$ (ANT input)	(B)	FM 98.1MHz	VR1	Separation : MAX	



## PC BOARD (COMPONENT SIDE VIEW)

1

2

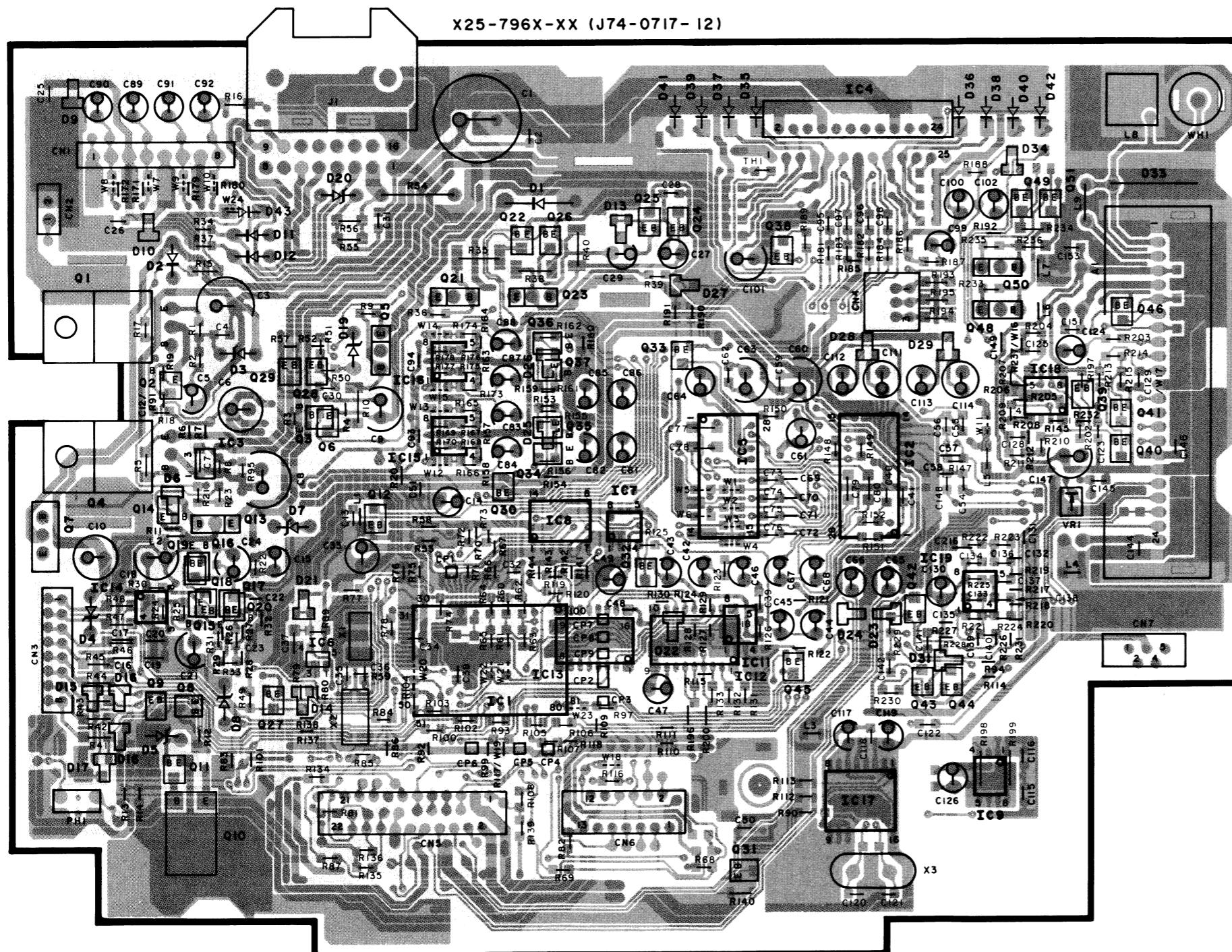
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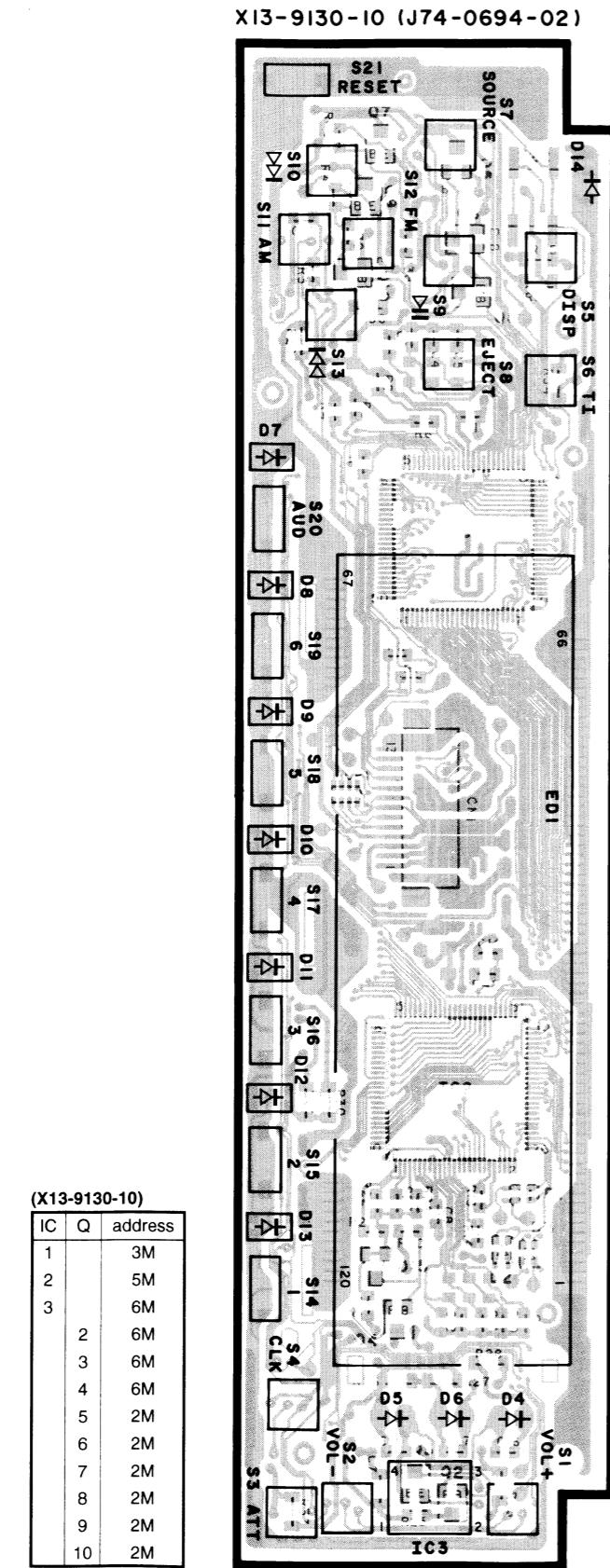
5

6

7



# PC BOARD (FOIL SIDE VIEW)



U

V

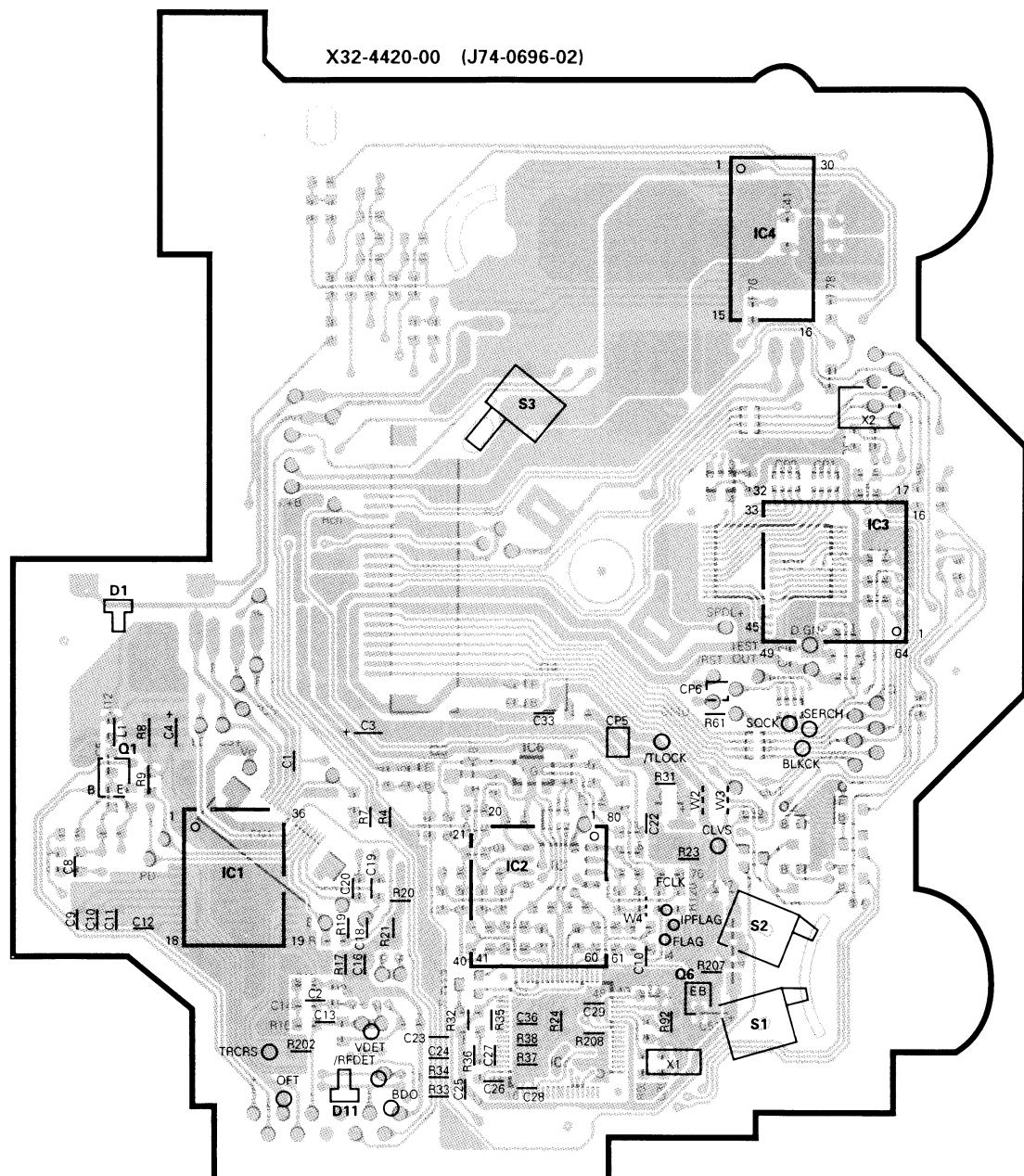
W

x

Y

## PC BOARD (COMPONENT SIDE VIEW)

X32-4420-00 (J74-0696-02)



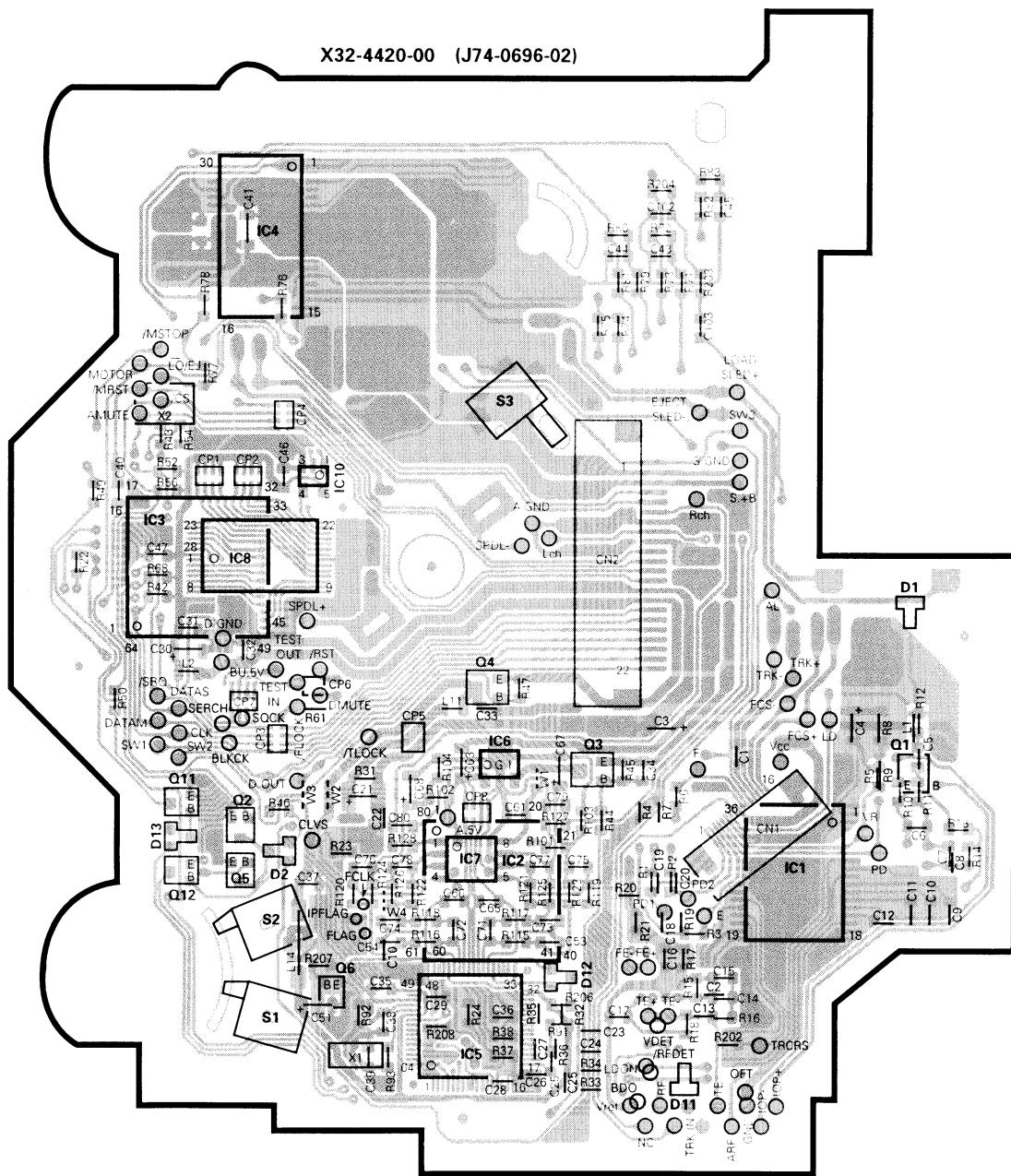
(X32-4420-00)

IC	1	2	3	4	5	6	7	8	10								
Q										1	2	3	4	5	6		
address	4V	4W	3X	2X	5W	4W	4W	3X	3X	4V	4X	4W	4W	4X	5X	4X	4X

Refer to the schematic diagram for the values of resistors and capacitors.

## PC BOARD (FOIL SIDE VIEW)

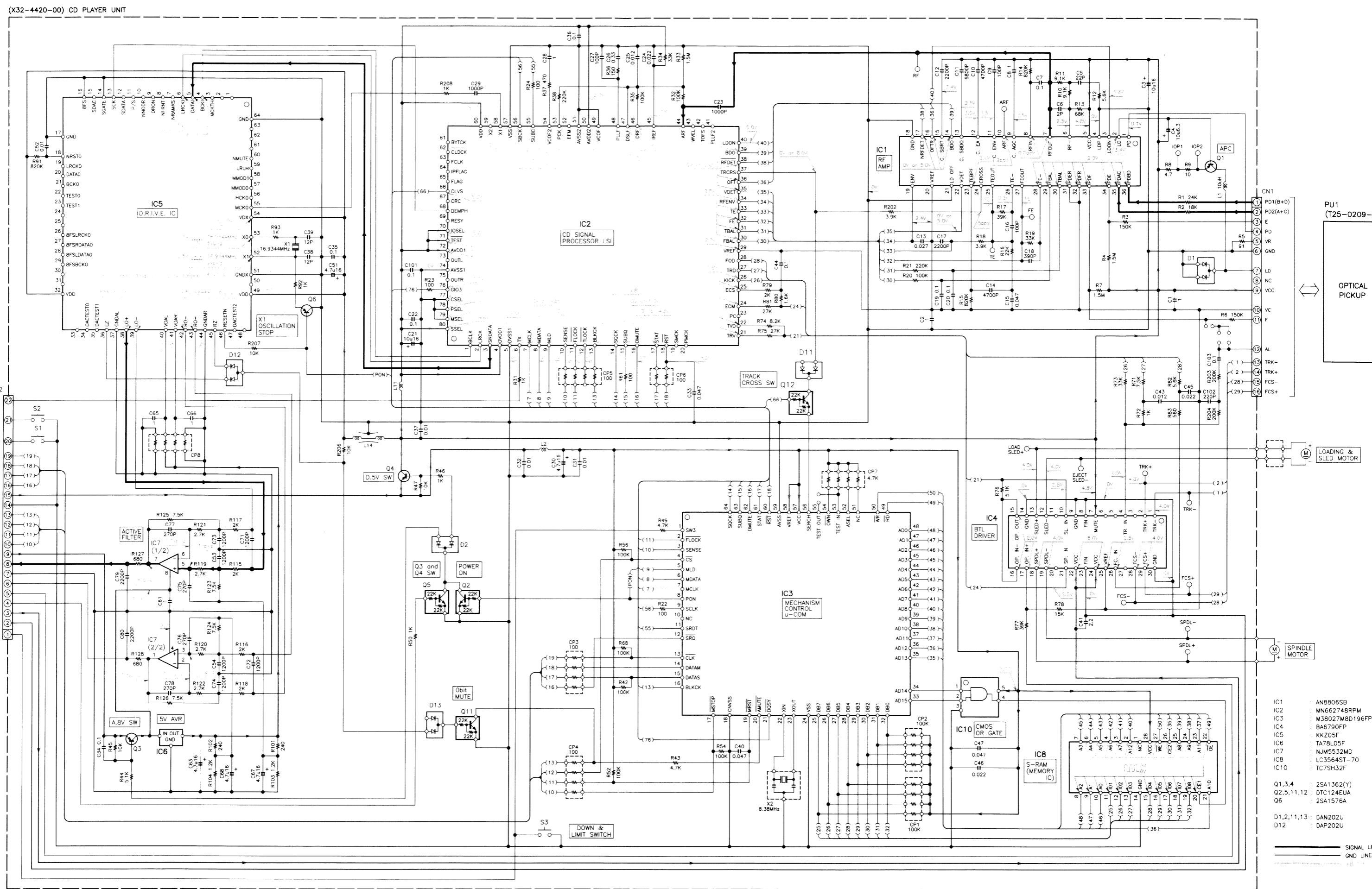
X32-4420-00 (J74-0696-02)



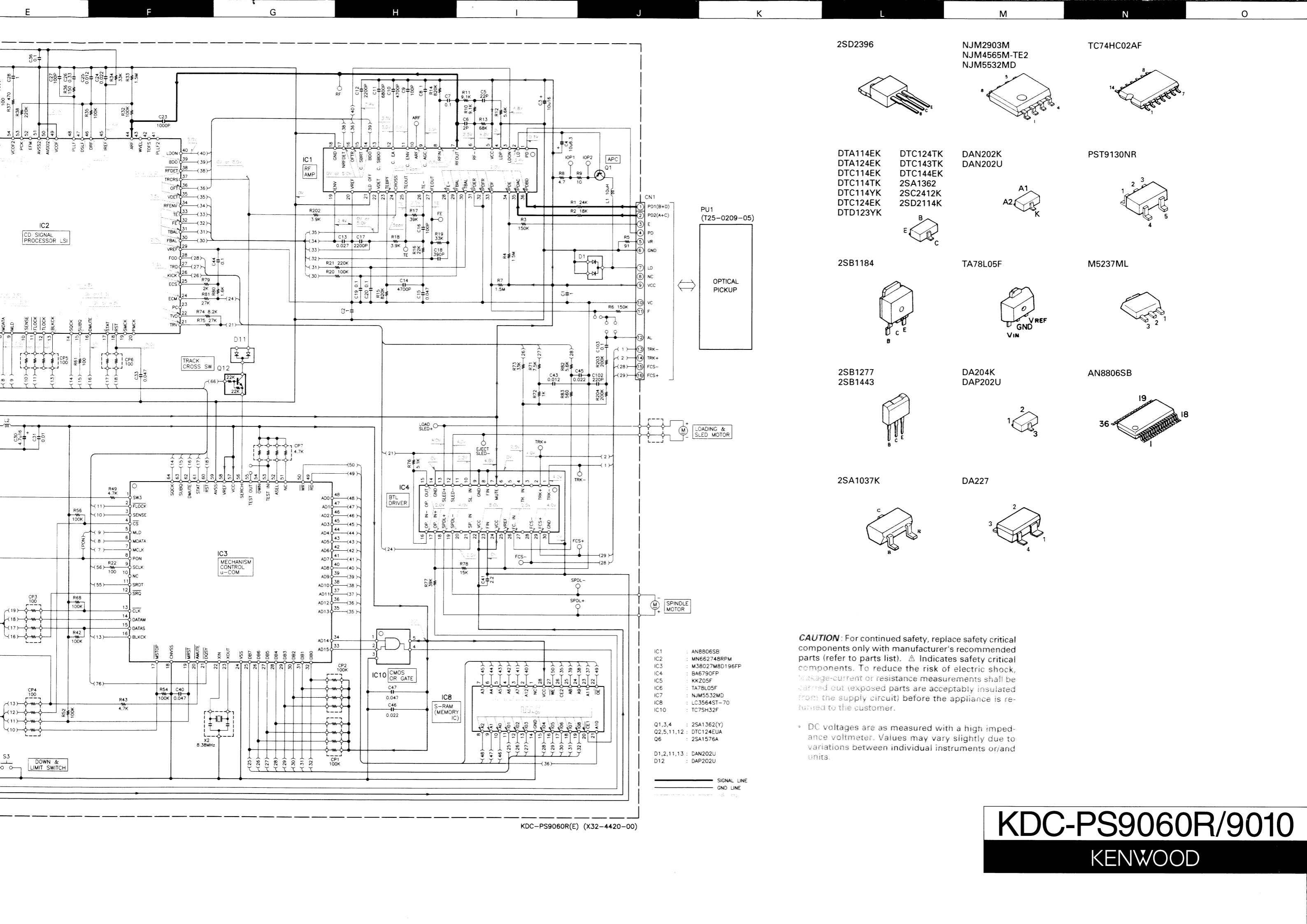
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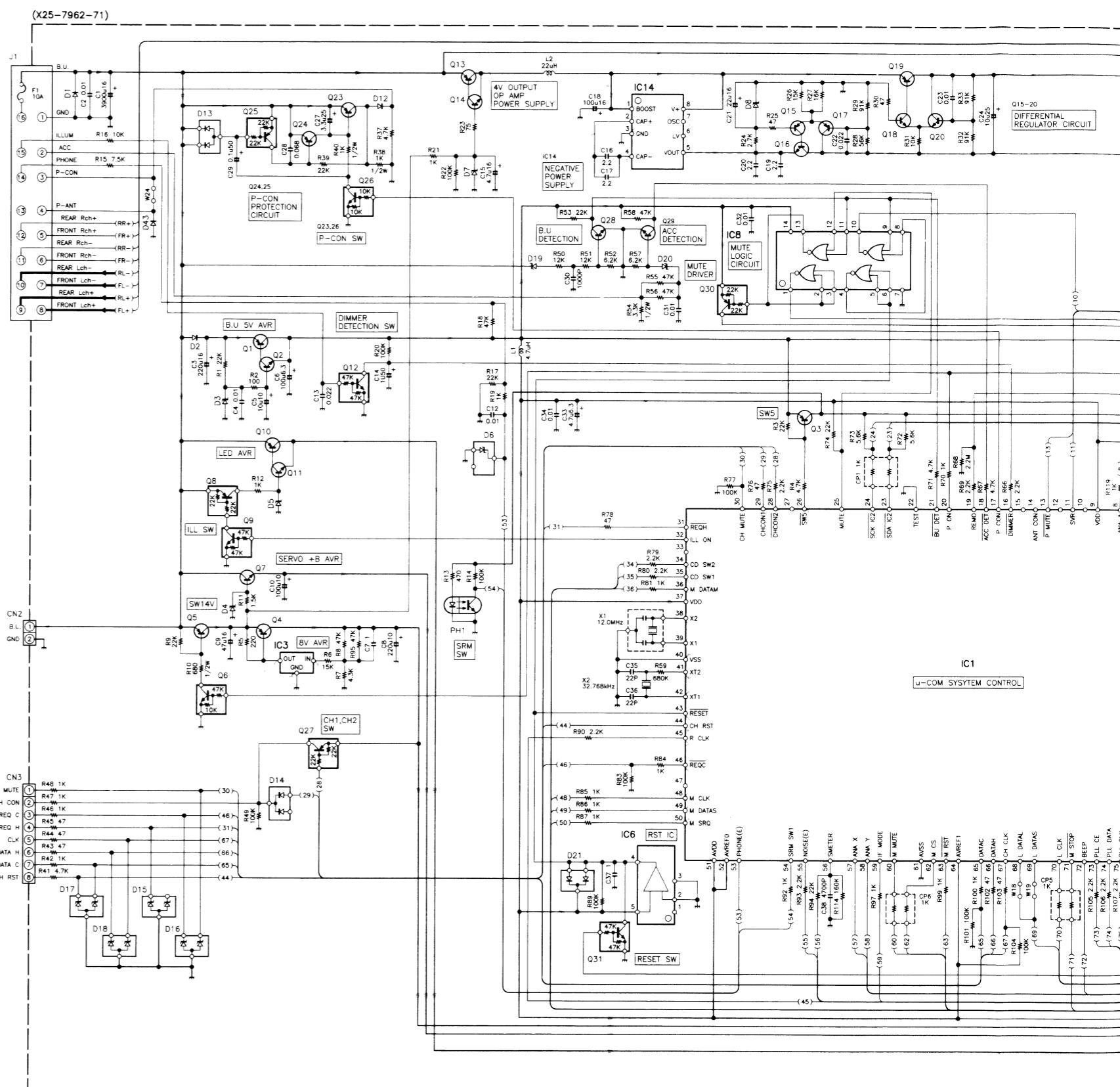
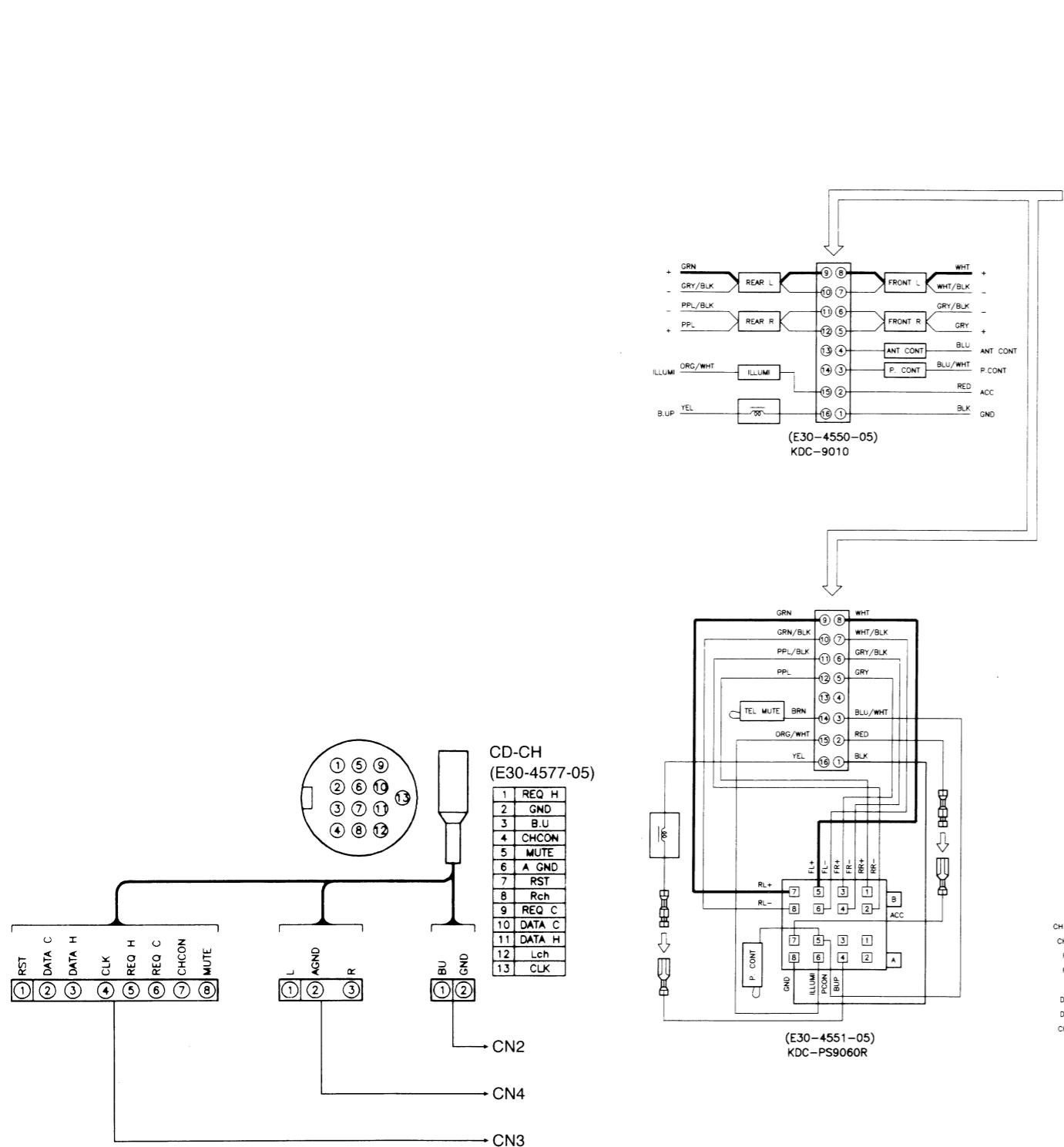
IC	1	2	3	4	5	6	7	8	10				
Q										1	2	3	4
address	4AC	4AB	3AA	2AA	5AB	4AB	4AB	3AA	3AA	4AC	4AA	4AB	4AB

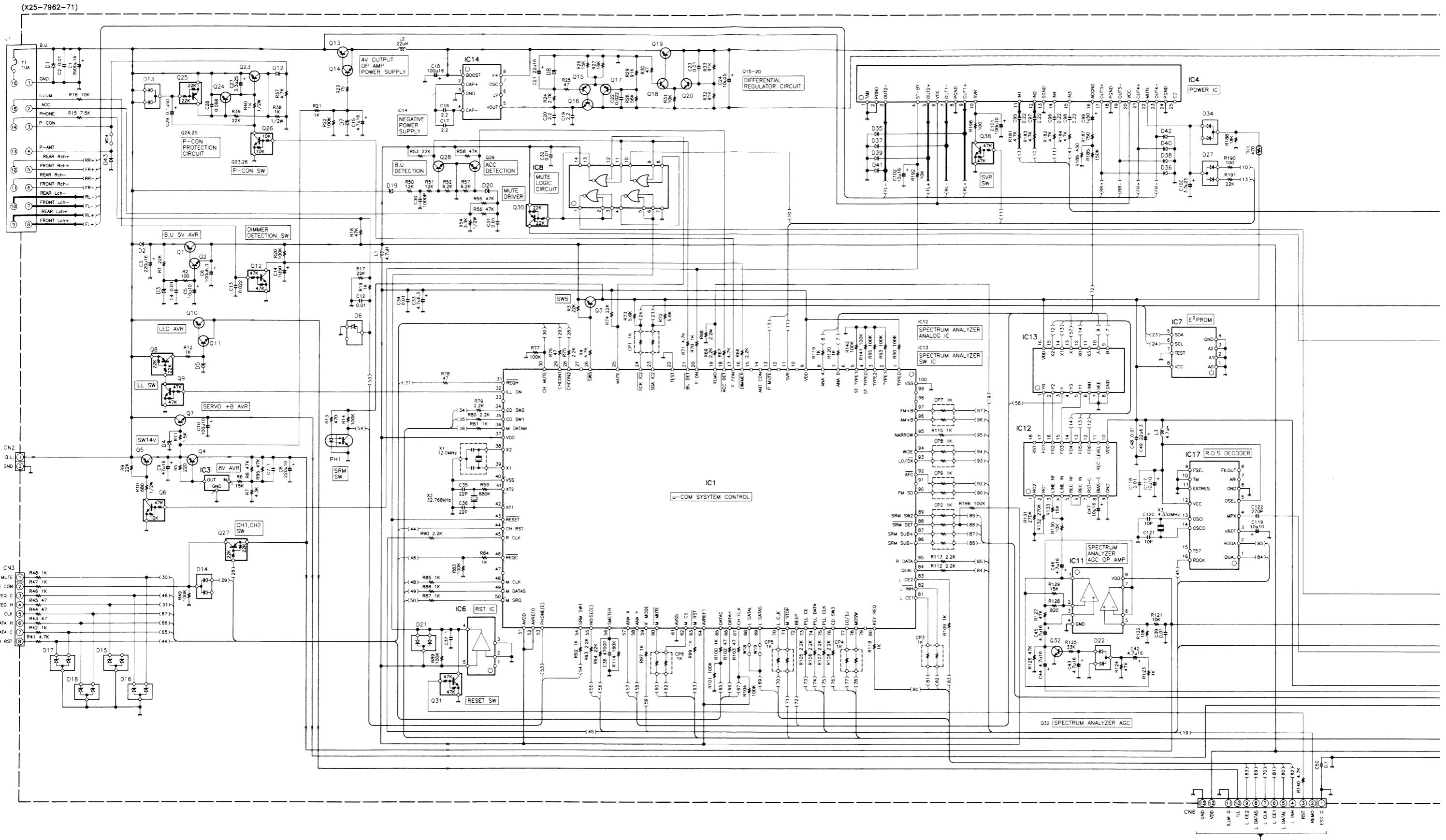
Refer to the schematic diagram for the values of resistors and capacitors.



KDC-PS9060R(E) (X32-4420-00)







AE

AF

AG

AH

AI

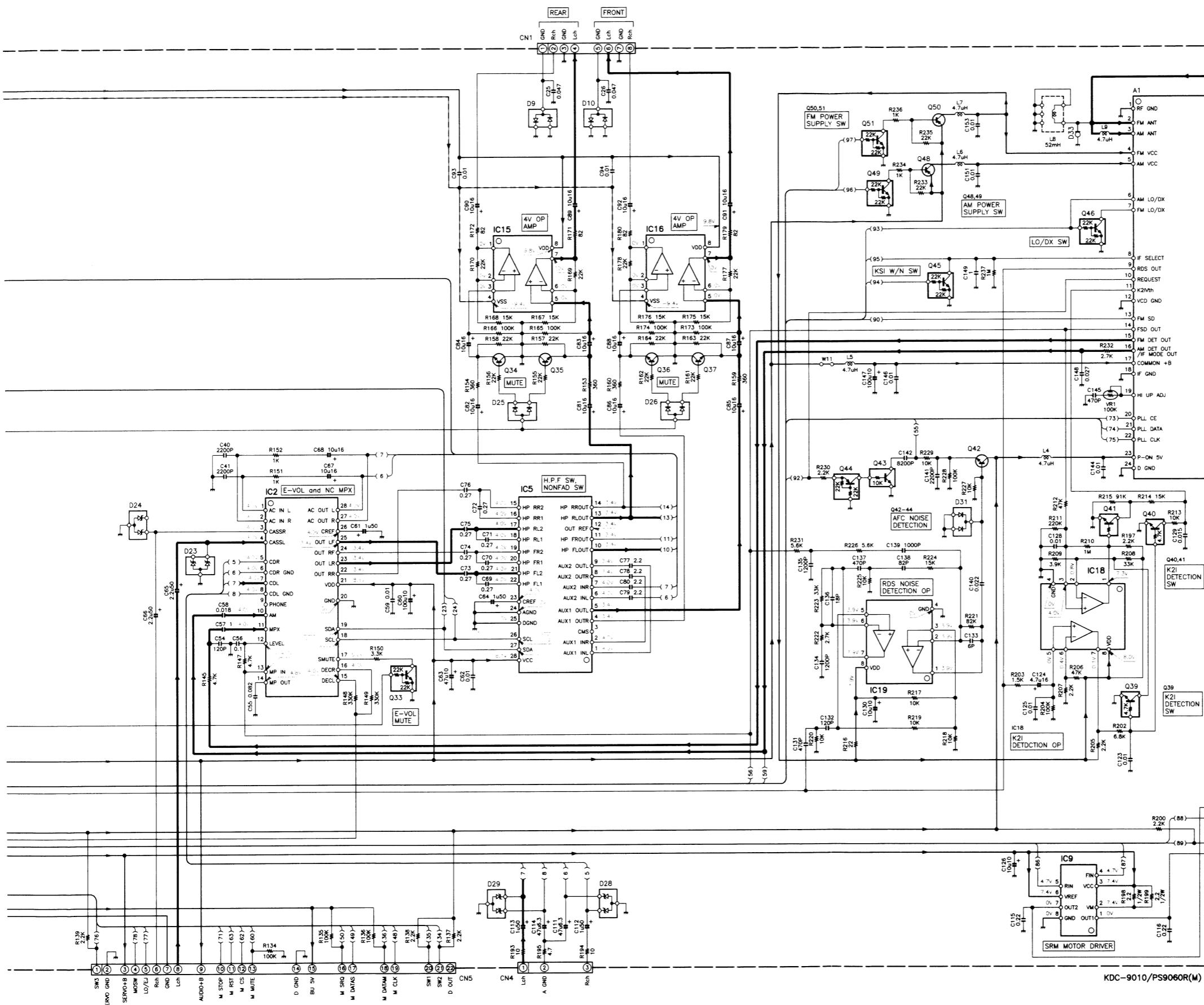
AJ

AK

AL

AM

AN



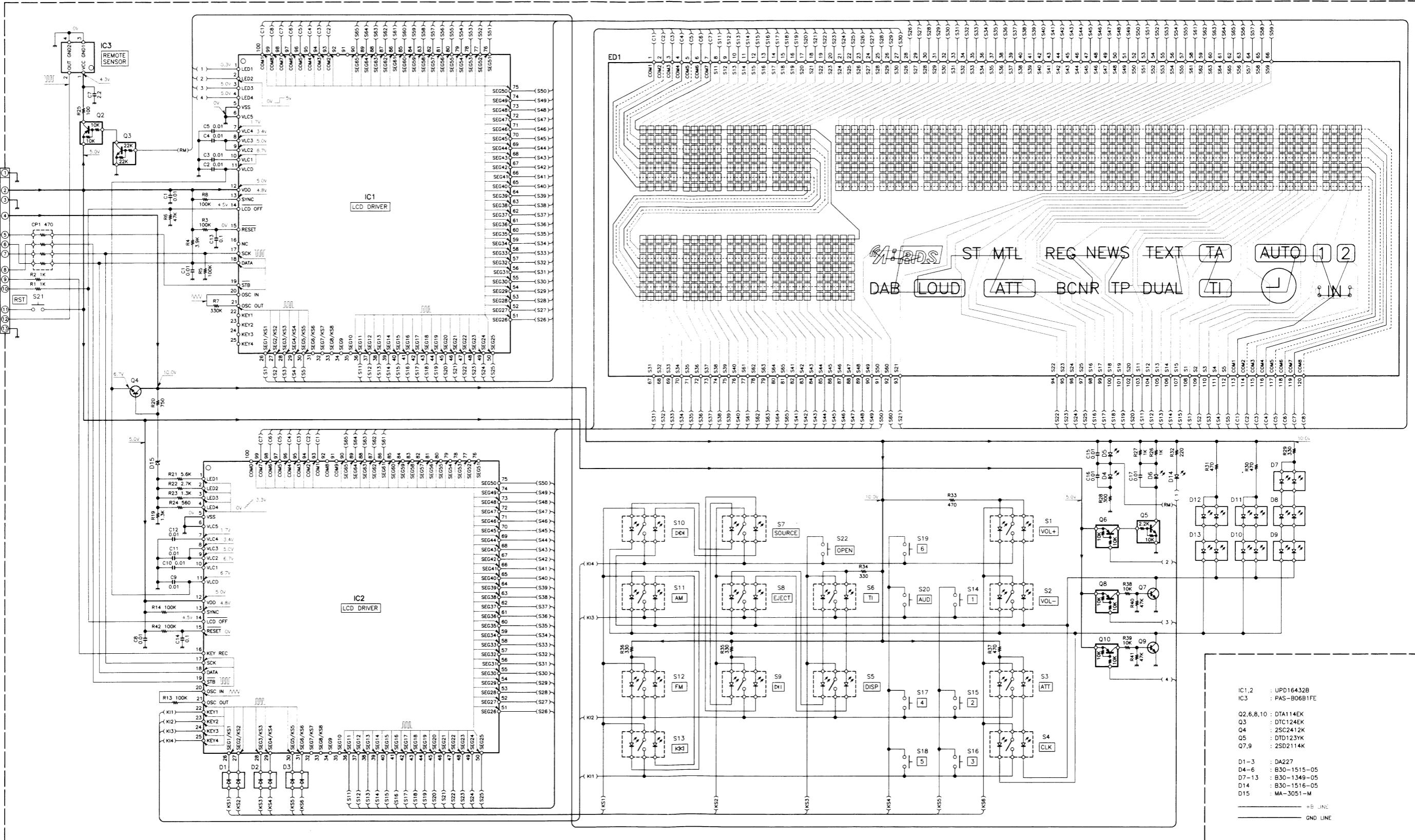
IC1 : UPD784215GF513  
 IC2 : TDA7461D  
 IC3 : M5237ML  
 IC4 : TDA7386  
 IC5 : TDA7435  
 IC6 : PST9130NR  
 IC7 : KK206F  
 IC8 : TC74HC02AF  
 IC9 : BA6287F  
 IC10 : NJM4565M-TE2  
 IC11,15,16,19 : BA3830F  
 IC12 : TC4052BFE  
 IC13 : TC7660SEOA  
 IC14 : TDA7479D  
 IC17 : NJM2903M  
 IC18 : BA3830F  
 Q1,4 : 2CB1565F(E,F)  
 Q2,11,14,16,18,20,28,32,42 : 2SC2412K  
 Q3,15,17,19,24 : 2SA1037K  
 Q5,13 : 2SB1443  
 Q6 : DTC114YK  
 Q7 : 2SD2396  
 Q8,25,27,30,44 : DTA1245K  
 Q9,12,31,38 : DTC144EK  
 Q10 : 2SB1184  
 Q23,48,50 : 2SB1277(Q,R)  
 Q26 : DTC114EK  
 Q33,45,46,49,51 : DTC124EK  
 Q34,37 : 2SD2114(K)  
 Q39,40 : DTC143TK  
 Q41 : DTC124TK  
 Q43 : DTC114TK  
 D1 : RM102LF  
 D2,12 : AM01Z  
 D3,8,19,20 : MA4056(N)-M  
 D4 : MA4082(N)-L  
 D5 : MA4110-L  
 D6 : HZM4.7N(B2)  
 D7 : MA4110(N)-M  
 D9,10,22 : DA204K  
 D13,25,27 : DAP202K  
 D14,21,31,34 : DAN202K  
 D15,18 : MA3062WA  
 D23,24,28,29 : R06.8MW  
 D33 : DSP-301N-A11F  
 D35-43 : M1F60

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

**KDC-PS9060R/9010**  
**KENWOOD**

(X13-9130-10)



**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

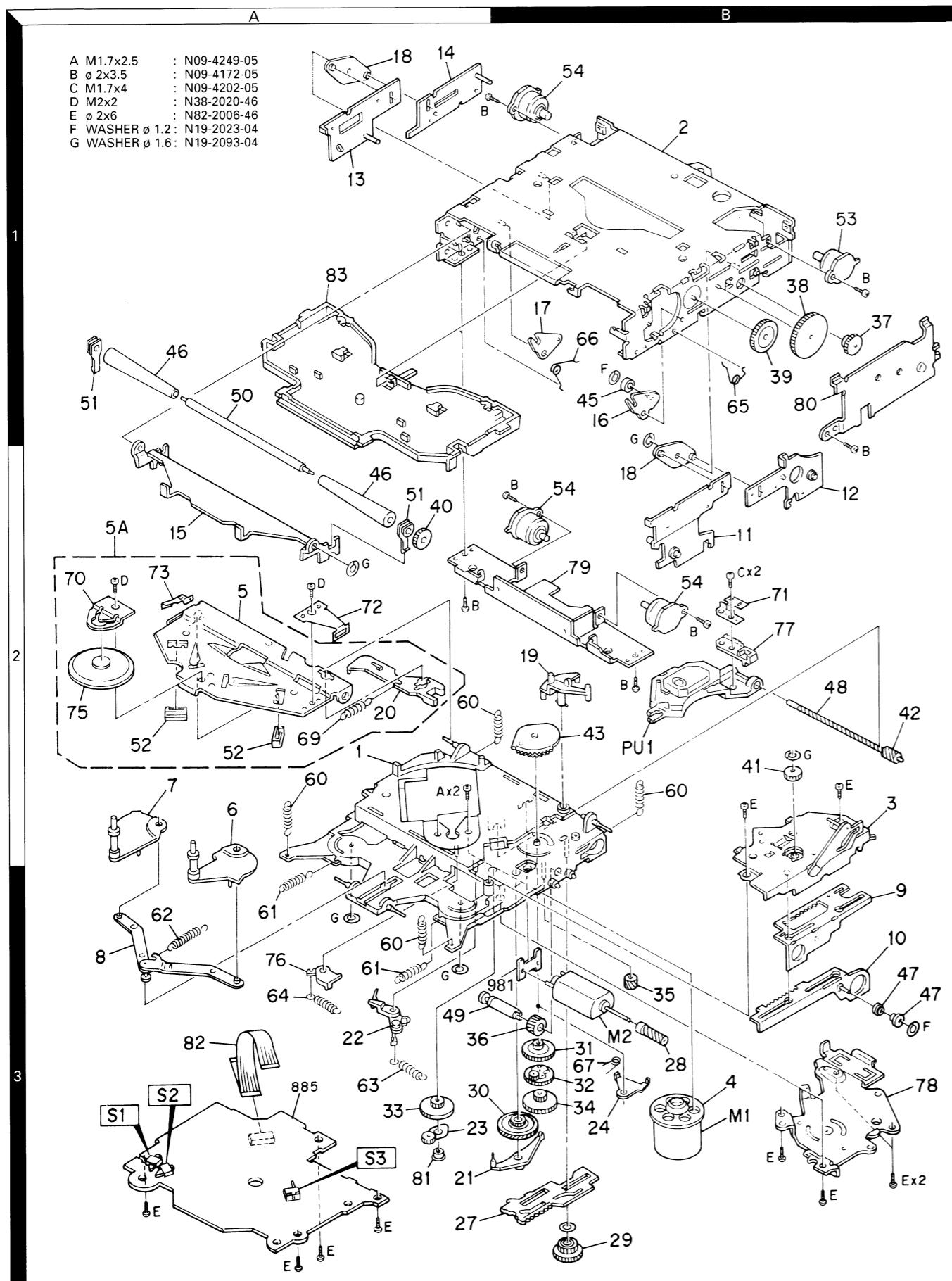
KDC-RS809/2010/8060B(k) (2/3)

# KDC-PS9060R/9010

## KENWOOD

# KDC-PS9060R/9010

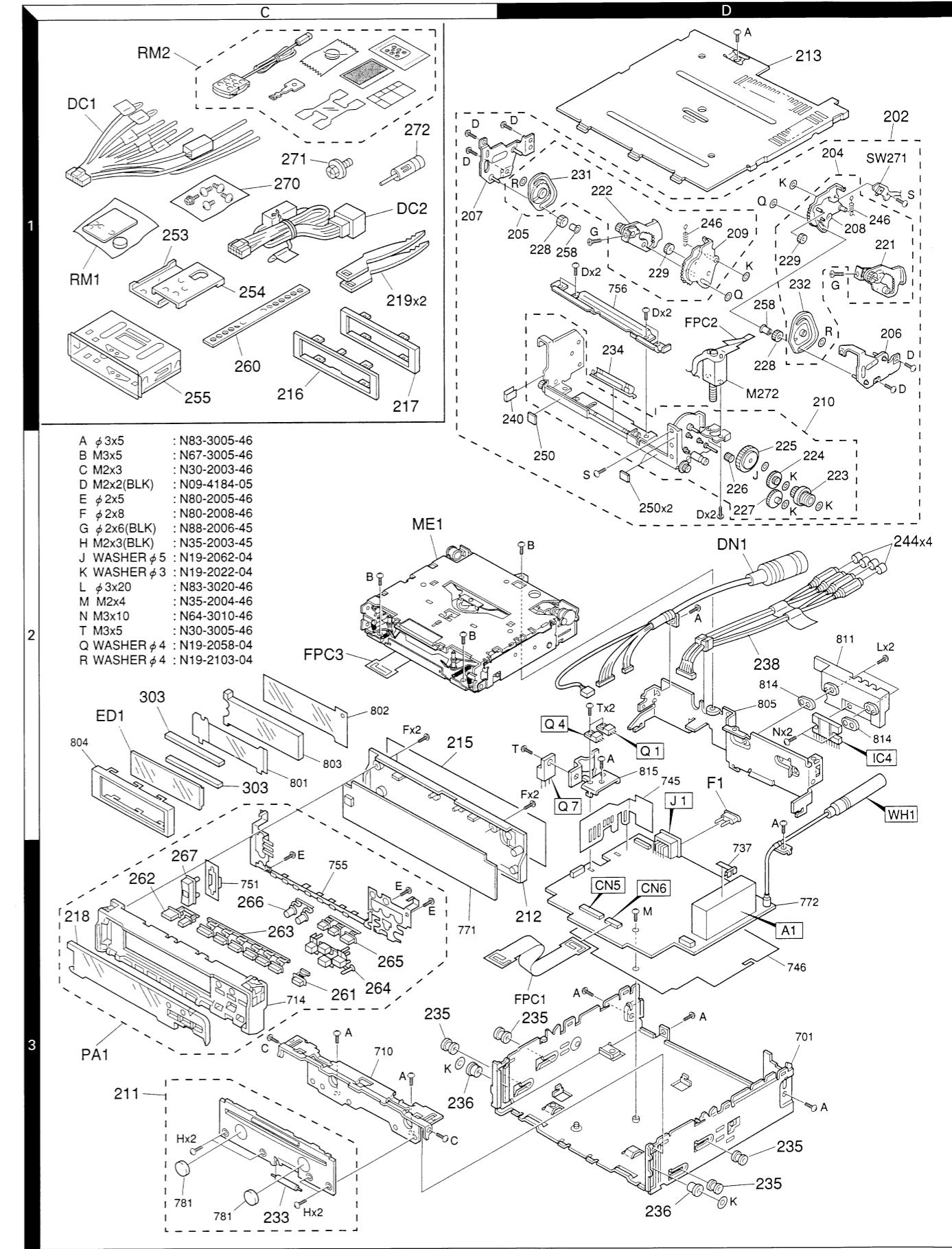
## EXPLODED VIEW (MECHANISM)



Parts with the exploded numbers larger than 700 are not supplied.

# KDC-PS9060R/9010

## EXPLODED VIEW (UNIT)



Parts with the exploded numbers larger than 700 are not supplied.

# KDC-PS9060R/9010

## PARTS LIST

# KDC-PS9060R/9010

## PARTS LIST

\* New Parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

### KDC-PS9060R/9010

Ref. No.	New	Parts No.	Description
<b>KDC-PS9060R/9010</b>			
202	1D	A10-4428-22	CHASSIS ASSY
204	2D	A10-4313-62	CHASSIS ASSY
205	1D	A10-4314-62	CHASSIS ASSY
206	2D	A10-4315-04	CHASSIS CALKING ASSY
207	1C	A10-4317-04	CHASSIS CALKING ASSY
208	1D	A10-4319-04	CHASSIS CALKING ASSY
209	1D	A10-4321-04	CHASSIS CALKING ASSY
210	1D	A10-4353-53	CHASSIS ASSY
211	3C	* A22-2272-03	SUB PANEL ASSY
212	2C	* A46-1279-02	REAR COVER
212	2C	* A46-1280-02	REAR COVER
213	1D	A52-0710-12	TOP PLATE
PA1	3C	* A64-1165-02	PANEL ASSY
PA1	3C	* A64-1167-02	PANEL ASSY
RM1	1C	A70-0860-05	REMOTE CONTROLLER ASSY
RM2	1C	A70-0874-05	REMOTE CONTROLLER ASSY
215	2C	* B03-3027-03	DRESSING SEAL
215	2C	* B03-3029-03	DRESSING SEAL
216	1C	* B07-2116-02	ESCUTCHEON
217	1C	* B07-2115-03	ESCUTCHEON ASSY
217	1C	* B07-2118-03	ESCUTCHEON ASSY
218	3C	* B10-1800-01	FRONT GLASS
218	3C	* B10-2802-01	FRONT GLASS
-		B46-0100-50	WARRANTY CARD
-		B46-0612-14	ID CARD
-		B58-1255-04	CAUTION CARD (SRM)
-		B58-1278-04	CAUTION CARD
-		B64-1180-00	INSTRUCTION MANUAL (E, T)
-		B64-1181-00	INSTRUCTION MANUAL (E, F)
-		B64-1182-00	INSTRUCTION MANUAL (G, D, I)
-		B64-1183-00	INSTRUCTION MANUAL (S, P)
219	1C	D10-4067-14	LEVER
221	1D	D10-4139-13	ARM ASSY
222	1D	D10-4140-13	ARM ASSY
223	2D	D13-1302-64	GEAR ASSY
224	1D	D13-1306-14	GEAR
225	2D	D13-1348-03	GEAR
226	2D	D13-1349-04	GEAR
227	2D	D13-1350-04	GEAR
228	1D	D13-1312-24	GEAR
229	1D	D13-1313-04	GEAR
231	1D	D13-1320-13	GEAR ASSY
232	1D	D13-1321-13	GEAR ASSY
233	3C	D14-0676-04	ROLLER
234	1D	D14-0678-04	ROLLER ASSY
235	3D	D14-0680-34	ROLLER
236	3D	D14-0681-34	ROLLER
238	2D	E30-4526-05	CORD WITH PINPLUG
DC1	1C	* E30-4550-05	DC CORD
DC2	1C	E30-4551-05	DC CORD
DN1	2D	E30-4577-05	CORD WITH DIN CONNECTOR

Ref. No.	New	Parts No.	Description
<b>KDC-PS9060R/9010</b>			
240	1C	F09-1244-04	SHEET INSULATING COVER
244	2D	F29-0049-05	FUSE (MINI BLADE TYPE)
F1	2D	F52-0006-05	
245	1D	G01-2818-24	EXTENSION SPRING
250	2D	G11-1733-04	CUSHION
-		H10-4560-02	POLYSTYRENE FOAMED FIXTURE
-		H13-1681-04	CARTON BOARD
-		H21-1118-04	PROTECTION SHEET
-		H25-0329-04	PROTECTION BAG (280X450X0.03) M111
-		H25-0337-04	PROTECTION BAG (180X300X0.03)
-		H25-1108-04	PROTECTION BAG (100X300X0.03)
-		H25-1111-04	PROTECTION BAG (280X450X0.03) E1
-	*	H54-0915-14	ITEM CARTON CASE
-	*	H54-0917-14	ITEM CARTON CASE
253	1C	J19-4720-04	BRACKET (L)
254	1C	J19-4721-04	BRACKET (R)
255	1C	* J21-7934-03	MOUNTING HARDWARE ASSY
258	1D	J31-1035-14	COLLAR
260	1C	J54-0606-04	STAY
261	3C	* K24-1825-04	KNOB (AUD)
262	3C	* K25-0850-03	KNOB (ATT)
263	3C	* K25-0851-03	KNOB (1-6)
264	3C	* K25-0852-03	KNOB (FM/AM)
265	3C	* K25-0853-03	KNOB (SRC)
266	3C	* K25-0854-03	KNOB (DISP)
267	3C	* K25-0876-03	KNOB (VOL)
270	1C	N99-1652-05	SCREW SET
271	1C	N09-1885-05	SEMS (MACHINE SCREW)
A	1D	N83-3005-46	PAN HEAD TAPPIE SCREW
B	2C	N67-3005-46	PAN HEAD SEMS SCREW
C	3C	N30-2003-46	PAN HEAD MACHINE SCREW
D	1D	N09-4184-05	MACHINE SCREW (M2X2 2ショロコメ)
E	3C	N80-2005-46	PAN HEAD TAPPIE SCREW
F	2C	N80-2008-46	PAN HEAD TAPPIE SCREW
G	1D	N88-2006-45	FLAT HEAD TAPPIE SCREW
H	3C	N35-2003-45	BINDING HEAD MACHINE SCREW
J	1D	N19-2062-04	FLAT WASHER
K	2D	N19-2022-04	FLAT WASHER
M	3D	N35-2004-46	BINDING HEAD MACHINE SCREW
P	1D	N09-4185-05	MACHINE SCREW (M2X2 2ラ 1ショク)
Q	2D	N19-2058-04	FLAT WASHER
R	1D	N19-2103-04	FLAT WASHER
S	1D	N09-4218-05	MACHINE SCREW (M2X3)
SW271	1D	S68-0829-05	PUSH SWITCH
272	1C	T90-0512-05	ANTENNA ADAPTOR
M272	1D	T42-0752-14	MOTOR ASSY
ME1	2C	X92-3380-00	MECHANISM ASSY

\* New Parts

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**SWITCH UNIT (X13-9130-10)**  
**ELECTRIC UNIT (X25-7962-71)**

Ref. No.	New	Parts No.	Description
<b>SWITCH UNIT (X13-9130-10)</b>			
D4	-6	* B30-1515-05	LBD
D7	-13	* B30-1349-05	LED
D14		B30-1516-05	LED
ED1	2C	B38-0686-05	LIQUID CRYSTAL
C1	-5	CK73FB1H103K	CHIP C 0.010UF K
C7		CK73EB1C225K	CHIP C 2.2UF K
C8	-12	CK73FB1H103K	CHIP C 0.010UF K
C13	,14	CK73FB1C104K	CHIP C 0.10UF K
C15	-17	CK73FB1H103K	CHIP C 0.010UF K
303	2C	* E29-1548-04	CONDUCTIVE RUBBER
CN1		E40-9407-05	FLAT CABLE CONNECTOR
CP1		R90-1016-05	MULTIPLE RESISTOR
R1	,2	RK73FB2A102J	CHIP R 1.0K J 1/10W
R3		RK73FB2A104J	CHIP R 100K J 1/10W
R4		RK73FB2A392J	CHIP R 3.9K J 1/10W
R5		RK73FB2A104J	CHIP R 100K J 1/10W
R6		RK73FB2A473J	CHIP R 47K J 1/10W
R7		RK73FB2A334J	CHIP R 330K J 1/10W
R8		RK73FB2A104J	CHIP R 100K J 1/10W
R13		RK73FB2A334J	CHIP R 330K J 1/10W
R14		RK73FB2A104J	CHIP R 100K J 1/10W
R19		RK73FB2A132J	CHIP R 1.3K J 1/10W
R20		RK73FB2A751J	CHIP R 750 J 1/10W
R21		RK73FB2A562J	CHIP R 5.6K J 1/10W
R22		RK73FB2A272J	CHIP R 2.7K J 1/10W
R23		RK73FB2A132J	CHIP R 1.3K J 1/10W
R24		RK73FB2A561J	CHIP R 560 J 1/10W
R25		RK73FB2A101J	CHIP R 100 J 1/10W
R26	,27	RK73EB2B102J	CHIP R 1.0K J 1/8W
R28		RK73EB2B301J	CHIP R 300 J 1/8W
R29		RK73EB2B331J	CHIP R 330 J 1/8W
R30	,31	RK73EB2B471J	CHIP R 470 J 1/8W
R32		RK73EB2B221J	CHIP R 220 J 1/8W
R33		RK73EB2B471J	CHIP R 470 J 1/8W
R34	,36	RK73EB2B331J	CHIP R 330 J 1/8W
R37		RK73EB2B471J	CHIP R 470 J 1/8W
R38	,39	RK73FB2A103J	CHIP R 10K J 1/10W
R40	,41	RK73FB2A473J	CHIP R 47K J 1/10W
R42		RK73FB2A104J	CHIP R 100K J 1/10W
S1	-13	S70-0839-05	TACT SWITCH
S14	-21	S70-0813-05	TACT SWITCH
S22		S70-0	

# KDC-PS9060R/9010

## PARTS LIST

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ELECTRIC UNIT (X25-7962-71)

Ref. No.	New	Parts No.	Description				
C57		CK73EB1C105K	CHIP C	1.0UF	K		
C58		CK73FB1H183KTA	CHIP C	0.018UF	K		
C59		CK73FB1H103K	CHIP C	0.010UF	K		
C60		CE04CW1A101M	ELECTRØ	100UF	10WV		
C61		C90-2608-05	ELECTRØ	1.0UF	50WV		
C62		CK73FB1H103K	CHIP C	0.010UF	K		
C63		CE04CW1A470M	ELECTRØ	47UF	10WV		
C64		C90-2608-05	ELECTRØ	1.0UF	50WV		
C65	,66	C90-2610-05	ELECTRØ	2.2UF	50WV		
C67	,68	C90-2597-05	ELECTRØ	10UF	16WV		
C69	-76	CK73FB1C274K	CHIP C	0.27UF	K		
C77	-80	CK73EB1C225K	CHIP C	2.2UF	K		
C81	-92	C90-2597-05	ELECTRØ	10UF	16WV		
C93	,94	CK73FB1H103K	CHIP C	0.010UF	K		
C95	,98	CK73FB1C224K	CHIP C	0.22UF	K		
C99		C90-2608-05	ELECTRØ	1.0UF	50WV		
C100		C90-2598-05	ELECTRØ	3.3UF	25WV		
C101		CE04CW1A101M	ELECTRØ	100UF	10WV		
C102		C90-2597-05	ELECTRØ	10UF	16WV		
C103-110		CK73FB1H153KTA	CHIP C	0.015UF	K		
C111		CE04CW0J470M	ELECTRØ	47UF	6.3WV		
C112,113		C90-2608-05	ELECTRØ	1.0UF	50WV		
C114		CE04CW0J470M	ELECTRØ	47UF	6.3WV		
C115,116		CK73FB1C224K	CHIP C	0.22UF	K		
C117		C90-2594-05	ELECTRØ	10UF	10WV		
C118		CK73FB1H103K	CHIP C	0.010UF	K		
C119		C90-2594-05	ELECTRØ	10UF	10WV		
C120,121		CC73FCH1H100D	CHIP C	10PF	D		
C122		CC73FCH1H271J	CHIP C	270PF	J		
C123		CK73FB1H103K	CHIP C	0.010UF	K		
C124		C90-2595-05	ELECTRØ	4.7UF	16WV		
C125		CK73FB1H103K	CHIP C	0.010UF	K		
C126		C90-2594-05	ELECTRØ	10UF	10WV		
C128		CK73FB1H103K	CHIP C	0.010UF	K		
C129		CK73FB1H153KTA	CHIP C	0.015UF	K		
C130		C90-2594-05	ELECTRØ	10UF	10WV		
C131		CC73FCH1H471J	CHIP C	470PF	J		
C132		CC73FCH1H121J	CHIP C	120PF	J		
C133		CC73FCH1H060D	CHIP C	6.0PF	D		
C134,135		CC73FSL1H122J	CHIP C	1200PF	J		
C136		CC73FCH1H180J	CHIP C	18PF	J		
C137		CC73FCH1H471J	CHIP C	470PF	J		
C138		CC73FCH1H820J	CHIP C	82PF	J		
C139		CC73FSL1H102J	CHIP C	1000PF	J		
C140		CK73FB1H223KTA	CHIP C	0.022UF	K		
C141		CC73FSL1H222J	CHIP C	2200PF	J		
C142		CK73FB1H082K	CHIP C	8200PF	K		
C144		CK73FB1H103K	CHIP C	0.010UF	K		
C145		CC73FCH1H471J	CHIP C	470PF	J		
C146		CK73FB1H103K	CHIP C	0.010UF	K		
C147		CE04CW1A101M	ELECTRØ	100UF	10WV		
C148		CK73FB1E273KTA	CHIP C	0.027UF	K		
C149		CK73EB1C105K	CHIP C	1.0UF	K		
C151		CK73FB1H103K	CHIP C	0.010UF	K		
C153		CK73FB1H103K	CHIP C	0.010UF	K		

# KDC-PS9060R/9010

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ELECTRIC UNIT (X25-7962-71)

Ref. No.	New	Parts No.	Description				
R31		RK73FB2A103J	CHIP R	10K	J	1/10W	
R32	,33	RK73FB2A913J	CHIP R	91K	J	1/10W	
R37		RK73FB2A472J	CHIP R	4.7K	J	1/10W	
R38		R92-0365-05	CHIP R	1.0K	J	1/2W	
R39		RK73FB2A223J	CHIP R	22K	J	1/10W	
R40		R92-0365-05	CHIP R	1.0K	J	1/2W	
R41		RK73EB2B472J	CHIP R	4.7K	J	1/8W	
R42		RK73EB2B102J	CHIP R	1.0K	J	1/8W	
R43	-45	RK73EB2B470J	CHIP R	47	J	1/8W	
R46	-48	RK73EB2B102J	CHIP R	1.0K	J	1/8W	
R49		RK73FB2A104J	CHIP R	100K	J	1/10W	
R50	,51	RK73FB2A123J	CHIP R	12K	J	1/10W	
R52		RK73FB2A562J	CHIP R	5.6K	J	1/10W	
R53		RK73FB2A223J	CHIP R	22K	J	1/10W	
R54		RD14DB2H332J	SMALL-RD	3.3K	J	1/2W	
R55	,56	RK73EB2B473J	CHIP R	47K	J	1/8W	
R57		RK73FB2A622J	CHIP R	6.2K	J	1/10W	
R58		RK73FB2A473J	CHIP R	47K	J	1/10W	
R59		RK73FB2A684J	CHIP R	680K	J	1/10W	
R60		RK73FB2A104J	CHIP R	100K	J	1/10W	
R63		RK73FB2A104J	CHIP R	100K	J	1/10W	
R65		RK73FB2A104J	CHIP R	100K	J	1/10W	
R66		RK73FB2A222J	CHIP R	2.2K	J	1/10W	
R67		RK73FB2A472J	CHIP R	4.7K	J	1/10W	
R68		RK73FB2A225J	CHIP R	2.2M	J	1/10W	
R69		RK73FB2A222J	CHIP R	2.2K	J	1/10W	
R70		RK73FB2A102J	CHIP R	1.0K	J	1/10W	
R71		RK73FB2A472J	CHIP R	4.7K	J	1/10W	
R72	,73	RK73FB2A562J	CHIP R	5.6K	J	1/10W	
R74		RK73FB2A223J	CHIP R	22K	J	1/10W	
R75		RK73FB2A222J	CHIP R	2.2K	J	1/10W	
R76		RK73FB2A470J	CHIP R	47	J	1/10W	
R77		RK73FB2A104J	CHIP R	100K	J	1/10W	
R78		RK73FB2A470J	CHIP R	47	J	1/10W	
R79	,80	RK73FB2A222J	CHIP R	2.2K	J	1/10W	
R81		RK73FB2A102J	CHIP R	1.0K	J	1/10W	
R83		RK73FB2A104J	CHIP R	100K	J	1/10W	
R84	-87	RK73FB2A102J	CHIP R	1.0K	J	1/10W	
R89		RK73FB2A104J	CHIP R	100K	J	1/10W	
R90		RK73FB2A222J	CHIP R	2.2K	J	1/10W	
R92		RK73FB2A102J	CHIP R	1.0K	J	1/10W	
R93		RK73FB2A222J	CHIP R	2.2K	J	1/10W	
R94		RK73FB2A223J	CHIP R	22K	J	1/10W	
R95		R92-2041-05	CHIP R	47K	D	1/10W	
R97		RK73FB2A102J	CHIP R	1.0K	J	1/10W	
R99	,100	RK73FB2A102J	CHIP R	1.0K	J	1/10W	
R101		RK73FB2A104J	CHIP R	100K	J	1/10W	
R102	,103	RK73FB2A470J	CHIP R</td				

# KDC-PS9060R/9010

## PARTS LIST

# KDC-PS9060R/9010

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### ELECTRIC UNIT (X25-7962-71)

Ref. No.	New	Parts No.	Description				
R212		RK73FB2A473J	CHIP R	47K	J	1/10W	
R213		RK73FB2A103J	CHIP R	10K	J	1/10W	
R214		RK73FB2A153J	CHIP R	15K	J	1/10W	
R215		RK73FB2A913J	CHIP R	91K	J	1/10W	
R216		RK73EB2B220J	CHIP R	22	J	1/8W	
R217-220		RK73FB2A103J	CHIP R	10K	J	1/10W	
R221		RK73FB2A823J	CHIP R	82K	J	1/10W	
R222		RK73FB2A272J	CHIP R	2.7K	J	1/10W	
R223		RK73FB2A333J	CHIP R	33K	J	1/10W	
R224		RK73FB2A153J	CHIP R	15K	J	1/10W	
R225		RK73FB2A103J	CHIP R	10K	J	1/10W	
R226		RK73FB2A562J	CHIP R	5.6K	J	1/10W	
R227		RK73FB2A103J	CHIP R	10K	J	1/10W	
R228		RK73FB2A104J	CHIP R	100K	J	1/10W	
R229		RK73FB2A103J	CHIP R	10K	J	1/10W	
R230		RK73FB2A222J	CHIP R	2.2K	J	1/10W	
R231		RK73FB2A562J	CHIP R	5.6K	J	1/10W	
R232		RK73FB2A272J	CHIP R	2.7K	J	1/10W	
R233		RK73FB2A223J	CHIP R	22K	J	1/10W	
R234		RK73EB2B102J	CHIP R	1.0K	J	1/8W	
R235		RK73FB2A223J	CHIP R	22K	J	1/10W	
R236		RK73EB2B102J	CHIP R	1.0K	J	1/8W	
R237		RK73FB2A105J	CHIP R	1.0M	J	1/10W	
VR1		R32-0229-05	SEMI FIXED VARIABLE RESISTOR				
W11		R92-2052-05	CHIP R	0	J	1/10W	
W18 ,19		R92-2052-05	CHIP R	0	J	1/10W	
W24		R92-2052-05	CHIP R	0	J	1/10W	
PH1		T95-0231-05	OPTO ISOLATOR				
D1		RM10ZLF	DIODE				
D2		AM01Z	DIODE				
D2		ERA15-01	DIODE				
D3		MA4056(N)-M	ZENER DIODE				
D4		MA4082(N)-L	ZENER DIODE				
D5		MA4110-L	ZENER DIODE				
D6		HZM4.7NB2	ZENER DIODE				
D6		MA3047-M	ZENER DIODE				
D7		MA4110(N)-M	ZENER DIODE				
D8		MA4056(N)-M	ZENER DIODE				
D9 ,10		DA204K	DIODE				
D12		AM01Z	DIODE				
D12		ERA15-01	DIODE				
D13		DAP202K	DIODE				
D13		MA152WA	DIODE				
D14		DAN202K	DIODE				
D14		MA152WK	DIODE				
D15 -18		MA3062WA	ZENER DIODE				
D19 ,20		MA4056(N)-M	ZENER DIODE				
D21		DAN202K	DIODE				
D21		MA152WK	DIODE				
D22		DA204K	DIODE				
D23 ,24		RD6.8MW	ZENER DIODE				
D25 -27		DAP202K	DIODE				
D25 -27		MA152WA	DIODE				

△ indicates safety critical components.

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### ELECTRIC UNIT (X25-7962-71)

Ref. No.	New	Parts No.	Description				
D28 ,29		RD6.8MW	ZENER DIODE				
D31		DAN202K	DIODE				
D31		MA152WK	DIODE				
D33		DSP-301N-A21F	SURGE ABSORBER				
D34		DAN202K	DIODE				
D34		MA152WK	DIODE				
D35 -43	*	D1P60	DIODE				
IC1		UPD784215GF513	MI-COM IC				
IC2		TDA7461D	ANALOGUE IC				
IC3		M5237ML	IC(VOLTAGE REGULATOR)				
IC4		TDA7386	ANALOGUE IC				
IC5		TDA7435	ANALOGUE IC				
IC6		PST9130NR	ANALOGUE IC				
IC7		KK206F	CUSTOM IC				
IC8		TC74HC02AF	IC				
IC9		BA6287F	ANALOGUE IC				
IC11		NJM4565M-TE2	ANALOGUE IC				
IC12		BA3830F	ANALOGUE IC				
IC13		TC4052BFE	MOS-IC				
IC14		TC7660SE0A	ANALOGUE IC				
IC15,16	*	NJM4565M-TE2	ANALOGUE IC				
IC17	*	TDA7479D	ANALOGUE IC				
IC18		NJM2903M	IC(COMPARATOR X2)				
IC19		NJM4565M-TE2	ANALOGUE IC				
Q1		2SB1565F(E,F)	TRANSISTOR				
Q2		2SC2412K	TRANSISTOR				
Q2		2SD601A	TRANSISTOR				
Q3		2SA1037K	TRANSISTOR				
Q4		2SB1565F(E,F)	TRANSISTOR				
Q4		2SB1443	TRANSISTOR				
Q6		DTC114YK	DIGITAL TRANSISTOR				
Q6		UN2214	DIGITAL TRANSISTOR				
Q7		2SD2396	TRANSISTOR				
Q8		DTA124EK	DIGITAL TRANSISTOR				
Q8		UN2112	DIGITAL TRANSISTOR				
Q9		DTC144EK	DIGITAL TRANSISTOR				
Q9		UN2213	DIGITAL TRANSISTOR				
Q10		2SB1184	TRANSISTOR				
Q11		2SC2412K	TRANSISTOR				
Q11		2SD601A	TRANSISTOR				
Q12		DTC144EK	DIGITAL TRANSISTOR				
Q12		UN2213	DIGITAL TRANSISTOR				
Q13		2SB1443	TRANSISTOR				
Q14		2SC2412K	TRANSISTOR				
Q14		2SD601A	TRANSISTOR				
Q15		2SA1037K	TRANSISTOR				
Q16		2SC2412K	TRANSISTOR				
Q16		2SD601A	TRANSISTOR				
Q17		2SA1037K	TRANSISTOR				
Q18		2SC2412K	TRANSISTOR				
Q18		2SD601A	TRANSISTOR				
Q19		2SA1037K	TRANSISTOR				
Q20		2SC2412K	TRANSISTOR				
Q20		2SD601A	TRANSISTOR				
Q23		2SB1277(Q,R)	TRANSISTOR				
Q24		2SA1037K	TRANSISTOR				
Q25		DTA124EK	DIGITAL TRANSISTOR				
Q25		UN2112	DIGITAL TRANSISTOR				
Q26		DTC114EK	DIGITAL TRANSISTOR				
Q26		UN2211	DIGITAL TRANSISTOR				
Q27		DTA124EK	DIGITAL TRANSISTOR				
Q27		UN2112	DIGITAL TRANSISTOR				
Q28 ,29	*	2SC2412K	TRANSISTOR				
Q28 ,29	*	2SD601A	TRANSISTOR				
Q30		DTA124EK	DIGITAL TRANSISTOR				
Q30		UN2112	DIGITAL TRANSISTOR				
Q31		DTC144EK	DIGITAL TRANSISTOR				</td

# KDC-PS9060R/9010

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Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	New	Parts No.	Description
R3		RK73FB2A154J	CHIP R 150K J 1/10W
R4		RK73FB2A155J	CHIP R 1.5M J 1/10W
R5		RK73FB2A910J	CHIP R 91 J 1/10W
R6		RK73FB2A154J	CHIP R 150K J 1/10W
R7		RK73FB2A155J	CHIP R 1.5M J 1/10W
R8		RK73EB2B4R7J	CHIP R 4.7 J 1/8W
R9		RK73EB2B100J	CHIP R 10 J 1/8W
R10	,11	RK73FB2A912J	CHIP R 9.1K J 1/10W
R12		RK73FB2A562J	CHIP R 5.6K J 1/10W
R13		RK73FB2A683J	CHIP R 68K J 1/10W
R14	,15	RK73FB2A824J	CHIP R 820K J 1/10W
R16		RK73FB2A223J	CHIP R 22K J 1/10W
R17		RK73FB2A393J	CHIP R 39K J 1/10W
R18		RK73FB2A392J	CHIP R 3.9K J 1/10W
R19		RK73FB2A333J	CHIP R 33K J 1/10W
R20		RK73FB2A104J	CHIP R 100K J 1/10W
R21		RK73FB2A224J	CHIP R 220K J 1/10W
R22	-24	RK73FB2A101J	CHIP R 100 J 1/10W
R31		RK73FB2A102J	CHIP R 1.0K J 1/10W
R32		RK73FB2A104J	CHIP R 100K J 1/10W
R33		RK73FB2A155J	CHIP R 1.5M J 1/10W
R34		RK73FB2A333J	CHIP R 33K J 1/10W
R35		RK73FB2A104J	CHIP R 100K J 1/10W
R36		RK73FB2A151J	CHIP R 150 J 1/10W
R37		RK73FB2A471J	CHIP R 470 J 1/10W
R38		RK73FB2A224J	CHIP R 220K J 1/10W
R42		RK73FB2A104J	CHIP R 100K J 1/10W
R43		RK73FB2A472J	CHIP R 4.7K J 1/10W
R44		RK73FB2A512J	CHIP R 5.1K J 1/10W
R45		RK73FB2A103J	CHIP R 10K J 1/10W
R46		RK73FB2A102J	CHIP R 1.0K J 1/10W
R47		RK73FB2A103J	CHIP R 10K J 1/10W
R49		RK73FB2A472J	CHIP R 4.7K J 1/10W
R50		RK73FB2A102J	CHIP R 1.0K J 1/10W
R52		RK73FB2A104J	CHIP R 100K J 1/10W
R54		RK73FB2A104J	CHIP R 100K J 1/10W
R56		RK73FB2A104J	CHIP R 100K J 1/10W
R61		RK73FB2A101J	CHIP R 100 J 1/10W
R68		RK73FB2A104J	CHIP R 100K J 1/10W
R71		RK73FB2A752J	CHIP R 7.5K J 1/10W
R72		RK73FB2A102J	CHIP R 1.0K J 1/10W
R73		RK73FB2A333J	CHIP R 33K J 1/10W
R74		RK73FB2A822J	CHIP R 8.2K J 1/10W
R75		RK73FB2A273J	CHIP R 27K J 1/10W
R76		RK73FB2A512J	CHIP R 5.1K J 1/10W
R77		RK73FB2A393J	CHIP R 39K J 1/10W
R78		RK73FB2A153J	CHIP R 15K J 1/10W
R79		RK73FB2A202J	CHIP R 2.0K J 1/10W
R80		RK73FB2A162J	CHIP R 1.6K J 1/10W
R81		RK73FB2A273J	CHIP R 27K J 1/10W
R82		RK73FB2A562J	CHIP R 5.6K J 1/10W
R83		RK73FB2A561J	CHIP R 560 J 1/10W
R91		RK73FB2A824J	CHIP R 820K J 1/10W
R92	,93	RK73FB2A102J	CHIP R 1.0K J 1/10W
R101,102		RK73FB2A241J	CHIP R 240 J 1/10W

### CD PLAYER UNIT (X32-4420-00)

### MECHANISM ASSY (X92-3380-00)

Ref. No.	New	Parts No.	Description
R103,104		RK73FB2A122J	CHIP R 1.2K J 1/10W
R115-118		R92-2029-05	CHIP R 2.0K D 1/10W
R119-122		R92-2044-05	CHIP R 2.7K D 1/10W
R123-126		R92-2048-05	7.5K D 1/10W
R127,128		RK73FB2A681J	CHIP R 680 J 1/10W
R202		RK73FB2A392J	CHIP R 3.9K J 1/10W
R203,204		RK73FB2A204J	CHIP R 200K J 1/10W
R206,207		RK73FB2A103J	CHIP R 10K J 1/10W
R208		RK73FB2A102J	CHIP R 1.0K J 1/10W
W1		R92-2052-05	CHIP R 0 J 1/10W
W2 ,3		R92-2053-05	CHIP R 0 J 1/8W
W4		R92-2052-05	CHIP R 0 J 1/10W
S1 ,2		S68-0822-05	PUSH SWITCH
S3		S68-0823-05	PUSH SWITCH
D1 ,2		DAN202U	DIODE
D11		DAN202U	DIODE
D12		DAP202U	DIODE
D13		DAN202U	DIODE
IC1		AN8806SB	ANALOGUE IC
IC2		MN662748RPM	MOS-IC
IC3		M38027M8D196FP	MI-COM IC
IC4		BA6790FP	ANALOGUE IC
IC5		KKZ05F	CUSTOM IC
IC6		TA78L05F	IC(VOLTAGE REGULATOR/ +5V)
IC7		NJM5532MD	IC(OP AMP)
IC8		LC3564ST-70	MEMORY IC
IC10		TC7SH32F	MOS-IC
Q1		2SA1362(Y)	TRANSISTOR
Q2		DTC124EUA	DIGITAL TRANSISTOR
Q3 ,4		2SA1362(Y)	TRANSISTOR
Q5		DTC124EUA	DIGITAL TRANSISTOR
Q6		2SA1576A	TRANSISTOR
Q11 ,12		DTC124EUA	DIGITAL TRANSISTOR
MECHANISM ASSY (X92-3380-00)			
1	2A	A10-4224-41	CHASSIS
2	18	A10-4225-33	CHASSIS CALKING ASSY
3	2B	A11-0915-23	SUB CHASSIS CALKING ASSY
4	38	D02-0209-13	TURNTABLE PLATTER
5	2A	D10-3082-13	ARM
5A	2A	D10-4038-23	ARM ASSY
6	2A	D10-3083-34	ARM ASSY
7	2A	D10-3084-34	ARM ASSY
8	3A	D10-3087-44	ARM ASSY
9	2B	D10-3092-03	SLIDER
10	3B	D10-3093-04	SLIDER ASSY
11	2B	D10-3095-04	SLIDER ASSY
12	2B	D10-3096-04	SLIDER ASSY
13	1A	D10-3099-24	SLIDER ASSY
14	1A	D10-3100-04	SLIDER ASSY
15	2A	D10-4003-23	LEVER
16	1B	D10-4004-04	LEVER ASSY
17	1B	D10-4006-04	LEVER
18	1A	D10-4007-04	LEVER

▲ indicates safety critical components.

# KDC-PS9060R/9010

## PARTS LIST

\* New Parts

Parts without **Parts No.** are not supplied.

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Teile ohne **Parts No.** werden nicht geliefert.

### MECHANISM ASSY (X92-3380-00)

Ref. No.	New	Parts No.	Description
19	2B	D10-4008-04	LEVER
20	2A	D10-4009-23	ARM
21	3A	D10-4010-04	LEVER
22	3A	D10-4011-34	LEVER ASSY
23	3A	D10-4013-14	ARM ASSY
24	3B	D10-4050-04	ARM
27	3B	D13-1340-13	RACK (GEAR)
28	3B	D13-1230-14	WORM
29	3B	D13-1231-04	GEAR
30	3A	D13-1232-04	GEAR
31	3B	D13-1233-04	GEAR
32	3B	D13-1234-14	GEAR ASSY
33	3A	D13-1238-03	GEAR
34	3B	D13-1240-04	GEAR
35	3B	D13-1241-04	GEAR
36	3B	D13-1242-04	GEAR
37	1B	D13-1243-04	GEAR
38	1B	D13-1244-04	GEAR
39	1B	D13-1245-14	GEAR
40	2A	D13-1246-04	GEAR
41	2B	D13-1247-04	GEAR
42	2B	D13-1248-34	GEAR
43	2B	D13-1249-04	GEAR ASSY
45	1B	D14-0668-04	ROLLER
46	1A	D14-0670-04	ROLLER
47	3B	D14-0674-04	ROLLER
48	2B	D19-0613-24	LEAD SCREW
49	3A	D21-2228-04	SHAFT
50	1A	D21-2229-04	SHAFT
51	1A	D23-0925-24	RETAINER
52	2A	D32-0614-04	STOPPER
53	1B	D39-0223-05	DAMPER
54	2B	D39-0224-05	DAMPER
55	3B	F09-1246-04	SHIELD
60	2A	G01-2770-04	EXTENSION SPRING

# KDC-PS9060R/9010

## PARTS LIST

### MARKING OF CHIP TRANSISTORS (SMT) (DTAxxxxK, DTCxxxxK, 2SxxxxxK)

SMT (PNP)			
形名/Parts No.	標印/Mark	形名/Parts No.	標印/Mark
DTA144EK	16	DTA114YK	54
DTA124EK	15	DTA143TK	93
DTA114TK	94	DTA114EK	14
DTA144WK	76	DTA143EK	13
DTA143XK	33	DTA124XK	35
DTA124TK	95	DTA144TK	96
DTA123EK	12	DTA123JK	E32
DTA143ZK	E13	DTA113JK	E11
DTA123YK	52	DTA114WK	74
DTA115EK	19	DTA115TK	99
DTA125TK	9A	DTA114GK	K14
DTA115GK	K19	DTA124GK	K15
DTA144GK	K12		

SMT (NPN)			
形名/Parts No.	標印/Mark	形名/Parts No.	標印/Mark
DTC144EK	26	DTC114YK	64
DTC124EK	25	DTC143TK	03
DTC114TK	04	DTC114EK	24
DTC144WK	86	DTC143EK	23
DTC143XK	43	DTC124XK	45
DTC124TK	05	DTC144TK	06
DTC123EK	22	DTC123JK	E42
DTC143ZK	E23	DTC113ZK	E21
DTC123YK	62	DTC114WK	84
DTC115EK	29	DTC115TK	09
DTC125TK	0A	DTC114GK	K24
DTC115GK	K29	DTC124GK	K25
DTC144GK	K22		

SMT			
形名/Parts No.	略記号/Mark	形名/Parts No.	略記号/Mark
2SA1036K	H	2SA1037K	F
2SA1037KLN	D	2SA1455K	G
2SA1514K	M	2SB852K	U
2SC2059K	J	2SC2411K	C
2SC2412K	B	2SC2412KLN	L
2SC2413K	A	2SC3082K	S
2SC3722K	I	2SC3802K	AL
2SC3837K	AC	2SC3838K	AD
2SC3839K	AE	2SC3906K	T
2SD1383K	W	2SD1484K	Y
2SD1757K	AA	2SD1781K	AF
2SD1782K	AJ		

MPT			
形名/Parts No.	略記号/Mark	形名/Parts No.	略記号/Mark
2SB1132	BA	2SB1188	BC
2SB1189	BD	2SD1664	DA
2SD1766	DB	2SD1767	DC
2SD1384	DE		

# KDC-PS9060R/9010

## SPECIFICATION

### KDC-PS9060R

#### FM tuner section

Frequency range (Frequency step)

..... 87.5MHz~108.0MHz (50kHz)

Usable sensitivity (S/N : 26dB) ..... 0.7μV/75Ω

Quieting sensitivity (S/N : 46dB) ..... 1.6μV/75Ω

Frequency response (±3.0dB) ..... 30Hz~15kHz

Signal to Noise ratio (MONO) ..... 65dB

Selectivity (DIN) (dB) ..... ≥ 80dB (±400kHz)

Stereo separation (1kHz) ..... 35dB

#### MW (AM) tuner section

Frequency range ..... 531kHz~1611kHz (9kHz)

Usable sensitivity (S/N : 20dB) ..... 25μV

#### LW tuner section

Frequency range (Frequency step) ..... 153kHz~281kHz

Usable sensitivity (S/N : 20dB) ..... 45μV

#### CD section

Laser diode ..... GaAlAs (λ =780nm)

Digital filter (D/A) ..... 8 times over sampling

D/A converter ..... 1 Bit

Spindle speed ..... 500~200 (CLV)

Wow & Flutter ..... Below measurable limit

Frequency response (±1dB) ..... 10~20kHz

Total harmonic distortion ..... 0.01% (1kHz)

Signal to Noise ratio (1kHz) ..... 105dB

Dynamic range ..... 100dB

Chanel separation ..... 85dB

#### Audio section

Preout level (mV)/Load (CD/CD-CH)

Unbalanced ..... 4000mV/10kΩ

Preout impedance ..... 80Ω

Amp power

Max ..... 40W x 4

DIN45324.+B=14.4V ..... 27W x 4

Tone action

Bass ..... 100Hz±10dB

Treble ..... 10kHz±10dB

#### General

Operating voltage ..... 14.4V (11~16V allowable)

Current consumption ..... 10A

Installation size (W x H x D) ..... 182 x 53 x 165 (mm)

Weight ..... 2000g

**KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.**

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### KDC-9010

#### FM tuner section

Frequency range (Frequency step)

..... 87.5MHz~108.0MHz (50kHz)

..... 87.9MHz~107.9MHz (200kHz)

Channel space selection ..... 50k/200kHz

Usable sensitivity (S/N : 30dB) ..... 9.3dBf (0.8μV/75Ω)

Quieting sensitivity (S/N : 50dB) ..... 15.2dBf (1.6μV/75Ω)

Frequency response (±3.0dB) ..... 30Hz~15kHz

Signal to Noise ratio (MONO) ..... 70dB

Selectivity (dB) ..... ≥ 80dB (±400kHz)

Stereo separation (1kHz) ..... 40dB

#### AM tuner section

Frequency range (Frequency step)

..... 531kHz~1611kHz (9kHz)

..... 530kHz~1700kHz (10kHz)

Channel space selection ..... 9k/10kHz

Usable sensitivity (S/N : 20dB) ..... 28dBμ (25μV)

#### CD section

Laser diode ..... GaAlAs (λ =780nm)

Digital filter (D/A) ..... 8 times over sampling

D/A converter ..... 1 Bit

Spindle speed ..... 500~200 (CLV)

Wow & Flutter ..... Below measurable limit

Frequency response (±1dB) ..... 10~20kHz

Total harmonic distortion ..... 0.01% (1kHz)

Signal to Noise ratio (1kHz) ..... 105dB

Dynamic range ..... 100dB

Chanel separation ..... 85dB

#### Audio section

Preout level (mV)/Load (CD/CD-CH)

Unbalanced ..... 4000mV/10kΩ